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From: Vivlemore, Tracy
Sent: Thursday, January 05, 2006 9:20 AM
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Subject: Sequence search request, application 10/028415

Hello,

For application 10/028,415, please perform a standard search of SEQ ID NO: 20.

Tracy Vivlemore PhD
Remsen 2B-02, AU 1635
Mailbox: 2C-18
Tel: 571-272-2914

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Searcher: _____
Searcher Phone: _____
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Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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OM nucleic - nucleic search, using sw model

Run on: January 8, 2006, 17:18:19 ; Search time 102 Seconds
(without alignments)
383.396 Million cell updates/sec

Title: US-10-028-415-20

Perfect score: 22
Sequence: 1 CTGCACAGGAGGGTTGGAATAC 22

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/1/ina/1 COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5 COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/H COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/PTUS COMB.seq.*
- 7: /cgn2_6/ptodata/1/ina/PP COMB.seq.*
- 8: /cgn2_6/ptodata/1/ina/RE COMB.seq.*
- 9: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	22	100.0	1481	3	US-09-429-323-3
C 2	22	100.0	3073	2	US-07-688-352C-31
C 3	22	100.0	3073	2	US-08-474-379C-31
C 4	22	100.0	3073	3	US-09-146-249A-31
C 5	22	100.0	3073	3	US-08-206-188B-31
C 6	22	100.0	3073	6	PCT-US91-02714-30
C 7	22	90.9	317	3	US-09-404-879A-380
C 8	20	90.9	317	3	US-09-667-857-380
C 9	20	90.9	317	3	US-10-198-053-380
C 10	20	90.9	317	3	US-09-827-271-380
C 11	17.2	78.2	601	3	US-09-949-016-33785
C 12	17.2	78.2	601	3	US-09-949-016-150908
C 13	17.2	78.2	2022	3	US-09-023-655-416
C 14	17.2	78.2	2088	3	US-09-949-016-4237
C 15	17.2	78.2	4221	3	US-09-949-016-809
C 16	17.2	78.2	21593	3	US-09-949-016-15979
C 17	17.2	78.2	96878	3	US-09-949-016-12551
C 18	17.2	78.2	238815	3	US-09-949-016-16274
C 19	17.2	78.2	312474	3	US-09-949-016-17434
C 20	16.8	76.4	68580	3	US-09-949-016-15844
C 21	16.8	76.4	87562	3	US-09-949-016-13685
C 22	16.4	74.5	601	3	US-09-949-016-35086
C 23	16.4	74.5	601	3	US-09-949-016-147990
C 24	16.4	74.5	1863	3	US-09-614-221A-53

C 25	16.4	74.5	1969	3	US-09-949-016-4155	Sequence 4155, Ap
C 26	16.4	74.5	1996	3	US-09-949-016-873	Sequence 873, App
C 27	16.4	74.5	2194	2	US-08-948-569A-9	Sequence 9, Appli
C 28	16.4	74.5	2194	2	US-09-188-469-9	Sequence 9, Appli
C 29	16.4	74.5	2194	2	US-09-397-238A-9	Sequence 9, Appli
C 30	16.4	74.5	2330	3	US-10-104-047-1891	Sequence 1891, Ap
C 31	16.4	74.5	58821	3	US-09-949-016-15897	Sequence 15897, A
C 32	16.4	74.5	58824	3	US-09-949-016-12615	Sequence 12615, A
C 33	16.2	73.6	510	3	US-09-691-538A-8	Sequence 8, Appli
C 34	16.2	73.6	3568	3	US-10-160-719A-1	Sequence 1, Appli
C 35	16.2	73.6	3568	3	US-10-209-059-41	Sequence 41, Appli
C 36	16.2	73.6	3775	3	US-09-900-237-3	Sequence 3, Appli
C 37	16.2	73.6	77626	3	US-09-949-016-12608	Sequence 12608, A
C 38	16.2	73.6	136264	3	US-09-949-016-12756	Sequence 12756, A
C 39	16.2	73.6	136265	3	US-09-949-016-13001	Sequence 13001, A
C 40	16	72.7	858	3	US-09-322-478-13	Sequence 13, Appl
C 41	16	72.7	858	3	US-09-586-106D-13	Sequence 13, Appl
C 42	16	72.7	858	3	US-10-799-870-13	Sequence 13, Appl
C 43	16	72.7	9829	3	US-09-322-478-19	Sequence 19, Appl
C 44	16	72.7	9829	3	US-09-586-106D-19	Sequence 19, Appl
C 45	16	72.7	9829	3	US-10-799-870-19	Sequence 19, Appl

ALIGNMENTS

RESULT 1

US-09-429-323-3/c
; Sequence 3, Application US/09429323A
; Patent No. 6140126 6140123
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF Y-BOX BINDING PROTEIN 1 EXPRESSION
; FILE REFERENCE: RFS-0092
; CURRENT APPLICATION NUMBER: US/09/429.323A
; CURRENT FILING DATE: 1999-10-26
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 3
; LENGTH: 1481
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (127)..(1080)
US-09-429-323-3

Query Match 100.0%; Score 22; DB 3; Length 1481;
Best Local Similarity 100.0%; Pred. No. 0.22;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGGTTGGAATAC 22
Db 768 CTGCACAGGAGGGTTGGAATAC 747

RESULT 2

US-07-688-352C-31/c
; Sequence 31, Application US/07688352C
; Patent No. 5527896
; GENERAL INFORMATION:
; APPLICANT: Wigler, Michael H.
; APPLICANT: Colicelli, John J.
; TITLE OF INVENTION: Cloning by Complementation and Related
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Bicknell
; STREET: Two first National Plaza, 20 South Clark
; STREET: Street
; CITY: Chicago

; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..1111
US-09-146-249A-31

Query Match 100.0%; Score 22; DB 3; Length 3073;
Best Local Similarity 100.0%; Pred. No. 0.25;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
Db 779 CTGCACAGGAGGTTGGAATAC 758

RESULT 5

US-08-206-188B-31/c
; Sequence 31, Application US/08206188B
; Patent No. 6100025
; GENERAL INFORMATION:
; APPLICANT: Wigler, Michael H.
; APPLICANT: Colicelli, John J.
; TITLE OF INVENTION: Cloning by Complementation and Related
; TITLE OF INVENTION: Processes
; NUMBER OF SEQUENCES: 84
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/206,188B
; FILING DATE: 01-MAR-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/511,715
; FILING DATE: 20-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Clough, David W.
; REGISTRATION NUMBER: 36107
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312-474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3073 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..1111
US-08-206-188B-31

Query Match 100.0%; Score 22; DB 3; Length 3073;
Best Local Similarity 100.0%; Pred. No. 0.25;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
Db 779 CTGCACAGGAGGTTGGAATAC 758

RESULT 6

PCT-US91-02714-30/c
; Sequence 30, Application PC/TUS9102714
; GENERAL INFORMATION:
; APPLICANT: Wigler, Michael H.
; APPLICANT: Colicelli, John J.
; TITLE OF INVENTION: Cloning by Complementation and Related
; TITLE OF INVENTION: Processes
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Bicknell
; STREET: Two First National Plaza, 20 South Clark
; STREET: Street
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02714
; FILING DATE: 19910419
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/511,715
; FILING DATE: 20-APR-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Borun, Michael F.
; REGISTRATION NUMBER: 25447
; REFERENCE/DOCKET NUMBER: 27805/30197
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 346-5750
; TELEFAX: (312) 984-9740
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3073 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3..1111
PCT-US91-02714-30

Query Match 100.0%; Score 22; DB 6; Length 3073;
Best Local Similarity 100.0%; Pred. No. 0.25;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
Db 779 CTGCACAGGAGGTTGGAATAC 758

RESULT 7

US-09-404-879A-380/c
; Sequence 380, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon B.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/404,879A

; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 380
; LENGTH: 317
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(317)
; OTHER INFORMATION: n = A,T,C or G
US-09-404-879A-380

Query Match 90.9%; Score 20; DB 3; Length 317;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 GCACAGGAGGGTTGGAATAC 22
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Db 29 GCACAGGAGGGTTGGAATAC 10

RESULT 8

US-09-667-857-380/c
; Sequence 380, Application US/09667857
; Patent No. 6699564
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; APPLICANT: Fling, Steven P.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary Richard
; APPLICANT: Reed, Steven G.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.462C5
; CURRENT APPLICATION NUMBER: US/09/667,857
; CURRENT FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 380
; LENGTH: 317
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(317)
; OTHER INFORMATION: n = A,T,C or G
US-09-667-857-380

Query Match 90.9%; Score 20; DB 3; Length 317;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 GCACAGGAGGGTTGGAATAC 22
|||||
Db 29 GCACAGGAGGGTTGGAATAC 10

RESULT 9

US-10-198-053-380/c
; Sequence 380, Application US/10198053
; Patent No. 6858710
; GENERAL INFORMATION:
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Hill, Paul
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; AND DIAGNOSIS OF OVARIAN CANCER

; FILE REFERENCE: 210121.462C9
; CURRENT APPLICATION NUMBER: US/10/198,053
; CURRENT FILING DATE: 2002-07-17
; NUMBER OF SEQ ID NOS: 624
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 380
; LENGTH: 317
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 30, 32
; OTHER INFORMATION: n = A,T,C or G
US-10-198-053-380

Query Match 90.9%; Score 20; DB 3; Length 317;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 GCACAGGAGGGTTGGAATAC 22
|||||
Db 29 GCACAGGAGGGTTGGAATAC 10

RESULT 10

US-09-827-271-380/c
; Sequence 380, Application US/09827271
; Patent No. 6962980
; GENERAL INFORMATION:
; APPLICANT: Retter, Marc W.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.462C6
; CURRENT APPLICATION NUMBER: US/09/827,271
; CURRENT FILING DATE: 2001-04-04
; NUMBER OF SEQ ID NOS: 461
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 380
; LENGTH: 317
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(317)
; OTHER INFORMATION: n = A,T,C or G
US-09-827-271-380

Query Match 90.9%; Score 20; DB 3; Length 317;
Best Local Similarity 100.0%; Pred. No. 1.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 GCACAGGAGGGTTGGAATAC 22
|||||
Db 29 GCACAGGAGGGTTGGAATAC 10

RESULT 11

US-09-949-016-33785/c
; Sequence 33785, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498

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; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 33785
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-33785

Query Match      78.2%; Score 17.2; DB 3; Length 601;
Best Local Similarity 86.4%; Pred. No. 48;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
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Db 409 CTGCCAGGTGGTTGGAACAC 388

RESULT 12
US-09-949-016-150908/c
; Sequence 150908, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 150908
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-150908

Query Match      78.2%; Score 17.2; DB 3; Length 601;
Best Local Similarity 86.4%; Pred. No. 48;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
    ||||| ||||| ||||| ||||| |||||
Db 409 CTGCCAGGTGGTTGGAACAC 388

RESULT 13
US-09-023-655-416
; Sequence 416, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESS: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 416:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2022 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: BLADNOT03
; CLONE: 1602090
US-09-023-655-416

Query Match      78.2%; Score 17.2; DB 3; Length 2022;
Best Local Similarity 86.4%; Pred. No. 59;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
    ||||| ||||| ||||| ||||| |||||
Db 1223 CTGCCAGGTGGTTGGAACAC 1244

RESULT 14
US-09-949-016-4237
; Sequence 4237, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4237
; LENGTH: 2088
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-4237

Query Match      78.2%; Score 17.2; DB 3; Length 2088;
Best Local Similarity 86.4%; Pred. No. 59;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
    ||||| ||||| ||||| ||||| |||||
Db 1558 CTGCCAGGTGGTTGGAACAC 1579

RESULT 15
US-09-949-016-809
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; Sequence 809, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 809
; LENGTH: 4221
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-809
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Query Match 78.2%; Score 17.2; DB 3; Length 4221;
Best Local Similarity 86.4%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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QY 1 CTGCACAGGAGGGTTGGAATAC 22
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Db 3690 CTGCCAGGTGGGTTGGAACAC 3711
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Search completed: January 8, 2006, 18:40:23
Job time : 105 secs
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;
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 179020
; LENGTH: 254
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_9484C.1
US-10-425-115-179020

Query Match 100.0%; Score 22; DB 8; Length 254;
Best Local Similarity 100.0%; Pred. No. 0.52; Mismatches 0; Indels 0; Gaps 0;
Matches 22; Conservative 0

QY 1 CTGCACAGGAGGTTGGAATAC 22
Db 154 CTGCACAGGAGGTTGGAATAC 133

RESULT 3
US-10-029-386-17873
; Sequence 17873, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR C
; FILE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: ABOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 17873
; LENGTH: 314
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL138788.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 12
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 12
; OTHER INFORMATION: NT HIT: g114742436, EVALUAE 0.00e+00
; OTHER INFORMATION: SWISSPROT HIT: P27817, EVALUAE 3.00e-09
; OTHER INFORMATION: EST_HUMAN HIT: BG676581.1, EVALUAE 0.00e+00
US-10-029-386-17873

Query Match 100.0%; Score 22; DB 6; Length 314;
Best Local Similarity 100.0%; Pred. No. 0.52; Mismatches 0; Indels 0; Gaps 0;
Matches 22; Conservative 0

QY 1 CTGCACAGGAGGTTGGAATAC 22
Db 43 CTGCACAGGAGGTTGGAATAC 64

RESULT 4
US-10-040-739-1
; Sequence 1, Application US/10040739
; Publication No. US20020173635A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John
; APPLICANT: LaValle, Edward
; APPLICANT: Racie, Lisa
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Spaulding, Vikki
; TITLE OF INVENTION: SECRETED, EXPRESSED SEQUENCE TAGS

;
; NUMBER OF SEQUENCES: 1519
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: U.S.A
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/040,739
; FILING DATE: 07-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/036,520
; FILING DATE: 03-JUN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 400 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-04c-739-1

Query Match 100.0%; Score 22; DB 5; Length 400;
Best Local Similarity 100.0%; Pred. No. 0.52; Mismatches 0; Indels 0; Gaps 0;
Matches 22; Conservative 0

QY 1 CTGCACAGGAGGTTGGAATAC 22
Db 200 CTGCACAGGAGGTTGGAATAC 221

RESULT 5
US-09-969-034-3986
; Sequence 3986, Application US/09969034
; Publication No. US20040110668A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Astle, Jon H.
; APPLICANT: Carroll, Eddie III
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dwivedi, Poorima
; APPLICANT: Molino, Gary A.
; APPLICANT: Thiagalingam, Arunthathi
; APPLICANT: Lewis, Marcia E.
; TITLE OF INVENTION: Nucleic Acid Sequences Differentially
; FILE OF INVENTION: Expressed in Cancer Tissue
; FILE REFERENCE: 1657/1032
; CURRENT APPLICATION NUMBER: US/09/969,034
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/237,271
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 4494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3986
; LENGTH: 451
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature

```
; LOCATION: 418, 420
; OTHER INFORMATION: n = A,T,C or G
US-09-969-034-3986

Query Match      100.0%; Score 22; DB 3; Length 451;
Best Local Similarity 100.0%; Pred. No. 0.53;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGTTTGAATAC 22
    |||||
Db 200 CTGCACAGGAGGTTTGAATAC 221

RESULT 6
US-09-918-995-36678/c
; Sequence 36678, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 36678
; LENGTH: 478
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(478)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-36678

Query Match      100.0%; Score 22; DB 3; Length 478;
Best Local Similarity 100.0%; Pred. No. 0.53;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGTTTGAATAC 22
    |||||
Db 101 CTGCACAGGAGGTTTGAATAC 80

RESULT 7
US-10-027-632-16296
; Sequence 16296, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16297
; LENGTH: 519
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-16297

Query Match      100.0%; Score 22; DB 5; Length 519;
Best Local Similarity 100.0%; Pred. No. 0.53;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGTTTGAATAC 22
    |||||
Db 226 CTGCACAGGAGGTTTGAATAC 247

RESULT 9
US-10-027-632-16298
; Sequence 16298, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
```

```
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16298
; LENGTH: 519
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-16298

Query Match      100.0%; Score 22; DB 5; Length 519;
Best Local Similarity 100.0%; Pred. No. 0.53;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGGTTGGAATAC 22
Db 226 CTGCACAGGAGGGTTGGAATAC 247

RESULT 10
US-10-027-632-16296
; Sequence 16296, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16296
; LENGTH: 519
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-16296

Query Match      100.0%; Score 22; DB 6; Length 519;
Best Local Similarity 100.0%; Pred. No. 0.53;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGGTTGGAATAC 22
Db 226 CTGCACAGGAGGGTTGGAATAC 247

RESULT 11
US-10-027-632-16297
; Sequence 16297, Application US/10027632
; Publication No. US20030204075A9
```

```
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16297
; LENGTH: 519
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-16297

Query Match      100.0%; Score 22; DB 6; Length 519;
Best Local Similarity 100.0%; Pred. No. 0.53;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGGTTGGAATAC 22
Db 226 CTGCACAGGAGGGTTGGAATAC 247

RESULT 12
US-10-027-632-16298
; Sequence 16298, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16298
; LENGTH: 519
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-16298

Query Match      100.0%; Score 22; DB 6; Length 519;
Best Local Similarity 100.0%; Pred. No. 0.53;
```

```
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGTTGGAATAC 22
    |||||
Db 226 CTGCACAGGAGGTTGGAATAC 247
    |||||

RESULT 13
US-09-969-034-1551/c
; Sequence 1551, Application US/09969034
; Publication No. US20040110668A1
; GENERAL INFORMATION:
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Astle, Jon H.
; APPLICANT: Carroll, Eddie III
; APPLICANT: Catino, Theodore J.
; APPLICANT: Dwivedi, Poorima
; APPLICANT: Molino, Gary A.
; APPLICANT: Thiagalingam, Arunthathi
; APPLICANT: Lewis, Marcia E.
; TITLE OF INVENTION: Nucleic Acid Sequences Differentially
; FILE REFERENCE: 1657/1032
; CURRENT APPLICATION NUMBER: US/09/969,034
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/237,271
; PRIOR FILING DATE: 2000-02-10
; NUMBER OF SEQ ID NOS: 4494
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1551
; LENGTH: 560
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 385, 394, 473, 528, 560
; OTHER INFORMATION: n = A,T,C or G
US-09-969-034-1551

Query Match 100.0%; Score 22; DB 3; Length 560;
Best Local Similarity 100.0%; Pred. No. 0.53;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGTTGGAATAC 22
    |||||
Db 348 CTGCACAGGAGGTTGGAATAC 327
    |||||

RESULT 14
US-10-029-386-4173
; Sequence 4173, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 4173
; LENGTH: 595
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL138788.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 12
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 12
; OTHER INFORMATION: SWISSPROT HIT: P27817, EVALUE 2.00e-12
; OTHER INFORMATION: NT HIT: g114742436, EVALUE 0.00e+00
```

```
; OTHER INFORMATION: EST_HUMAN HIT: AI937888.1, EVALUE 0.00e+00
US-10-029-386-4173

Query Match 100.0%; Score 22; DB 6; Length 595;
Best Local Similarity 100.0%; Pred. No. 0.53;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGTTGGAATAC 22
    |||||
Db 299 CTGCACAGGAGGTTGGAATAC 320
    |||||

RESULT 15
US-10-257-826A-285
; Sequence 285, Application US/10257826A
; Publication No. US20030181407A1
; GENERAL INFORMATION:
; APPLICANT: SA MAJESTE LA REINE DU CHEF DU CANADA
; APPLICANT: PALIN, Marie-France
; APPLICANT: POMAR, Candido
; APPLICANT: GABRIEY, Claude
; TITLE OF INVENTION: Steatosis-modulating factors and uses
; FILE REFERENCE: 14654-2US
; CURRENT APPLICATION NUMBER: US/10/257,826A
; CURRENT FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: 60/197936
; PRIOR FILING DATE: 2000-04-17
; PRIOR APPLICATION NUMBER: PCT/CA01/00509
; PRIOR FILING DATE: 2001-04-12
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 285
; LENGTH: 822
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Artificial sequence
; OTHER INFORMATION: Muscular steatosis
; OTHER INFORMATION: Porcine
; NAME/KEY: misc feature
; LOCATION: (1)...(822)
; OTHER INFORMATION: n = A,T,C or G
US-10-257-826A-285

Query Match 100.0%; Score 22; DB 6; Length 822;
Best Local Similarity 100.0%; Pred. No. 0.54;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGTTGGAATAC 22
    |||||
Db 71 CTGCACAGGAGGTTGGAATAC 92
    |||||

Search completed: January 8, 2006, 18:49:55
Job time : 562 secs
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OM nucleic - nucleic search, using sw model

Run on: January 8, 2006, 17:27:39 ; Search time 991 Seconds
(without alignments)
16.185 Million cell updates/sec

Title: US-10-028-415-20

Perfect score: 22
Sequence: 1 CTGCACAGGAGGTTGGAATAC 22

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4637633 seqs, 364532575 residues

Total number of hits satisfying chosen parameters: 9275266

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA New:
1: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:
2: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:
3: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:
4: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:
5: /cgn2_6/ptodata/1/pubpna/US05_NEW_PUB.seq:
6: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:
7: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq:
8: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq:
9: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq:
10: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	22	100.0	25	7 US-11-121-849-531868	Sequence 531868, A
C 2	20.4	92.7	1360	6 US-10-750-185-47669	Sequence 47669, A
C 3	20.4	92.7	1360	6 US-10-750-623-47669	Sequence 47669, A
C 4	19	86.4	25	7 US-11-121-849-531869	Sequence 531869, A
C 5	19	86.4	1400	7 US-11-136-527-4432	Sequence 4432, Ap
C 6	19	86.4	1666	7 US-11-136-527-336	Sequence 336, App
C 7	17.2	78.2	1882	6 US-10-750-185-40265	Sequence 40265, A
C 8	17.2	78.2	1882	6 US-10-750-623-40265	Sequence 40265, A
C 9	16.8	76.4	75330	7 US-11-124-368A-2915	Sequence 2915, Ap
C 10	16.4	74.5	201	7 US-11-124-368A-6677	Sequence 6677, Ap
C 11	16.4	74.5	201	7 US-11-124-368A-15319	Sequence 15319, A
C 12	16.4	74.5	100000	7 US-11-124-368A-2885	Sequence 2885, Ap
C 13	16.2	73.6	25	7 US-11-069-908-552	Sequence 552, App
C 14	16.2	73.6	25	7 US-11-069-908-2918	Sequence 2918, Ap
C 15	15.8	71.8	3154	7 US-11-108-528-45	Sequence 45, Appl
C 16	15.8	71.8	3355	6 US-10-750-185-61156	Sequence 61156, A
C 17	15.8	71.8	3355	6 US-10-750-623-61156	Sequence 61156, A
C 18	15.8	71.8	42823	7 US-11-066-725-18	Sequence 18, Appl
C 19	15.6	70.9	56054	6 US-10-995-561-13402	Sequence 13402, A
C 20	15.6	70.9	201	6 US-10-995-561-80639	Sequence 80639, A
C 21	15.6	70.9	201	6 US-10-995-561-80761	Sequence 80761, A
C 22	15.6	70.9	201	6 US-10-995-561-80786	Sequence 80786, A
C 23	15.6	70.9	745	6 US-10-750-185-60160	Sequence 60160, A

24	15.6	70.9	745	6 US-10-750-623-60160	Sequence 60160, A
C 25	15.6	70.9	823	6 US-10-750-185-61921	Sequence 61921, A
C 26	15.6	70.9	823	6 US-10-750-623-61921	Sequence 61921, A
C 27	15.6	70.9	1020	6 US-10-750-185-53026	Sequence 53026, A
C 28	15.6	70.9	1020	6 US-10-750-623-53026	Sequence 53026, A
C 29	15.6	70.9	1101	6 US-10-750-185-49755	Sequence 49755, A
C 30	15.6	70.9	1101	6 US-10-750-623-49755	Sequence 49755, A
C 31	15.6	70.9	1149	6 US-10-750-185-59099	Sequence 59099, A
C 32	15.6	70.9	1149	6 US-10-750-623-59099	Sequence 59099, A
C 33	15.6	70.9	1274	6 US-10-750-185-25555	Sequence 25555, A
C 34	15.6	70.9	1274	6 US-10-750-623-25555	Sequence 25555, A
C 35	15.6	70.9	1298	6 US-10-750-185-27228	Sequence 27228, A
C 36	15.6	70.9	1298	6 US-10-750-623-27228	Sequence 27228, A
C 37	15.6	70.9	65885	6 US-10-995-561-13490	Sequence 13490, A
C 38	15.6	70.9	108214	7 US-11-117-187-211	Sequence 211, App
C 39	15.4	70.0	1631	7 US-11-108-528-55	Sequence 55, Appl
C 40	15.4	70.0	2586	6 US-10-750-185-24808	Sequence 24808, A
C 41	15.4	70.0	2586	6 US-10-750-623-24808	Sequence 24808, A
C 42	15.4	70.0	10000	7 US-11-124-368A-2906	Sequence 2906, Ap
C 43	15.4	70.0	138821	7 US-11-121-086-80	Sequence 80, Appl
C 44	15.4	70.0	155515	7 US-11-112-908-42	Sequence 42, Appl
C 45	15.4	70.0	159660	7 US-11-112-908-43	Sequence 43, Appl

ALIGNMENTS

RESULT 1
US-11-121-849-531868/c
; Sequence 531868, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; TITLE OF INVENTION: Microarrays
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 531868
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-531868

Query Match 100.0%; Score 22; DB 7; Length 25;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 CTGCACAGGAGGTTGGAATAC 22
|||
Db 23 CTGCACAGGAGGTTGGAATAC 2

RESULT 2
US-10-750-185-47669
; Sequence 47669, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DeNise, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31

; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47669
; LENGTH: 1360
; TYPE: DNA
; ORGANISM: Bovine 19866880926144
US-10-750-185-47669

Query Match 92.7%; Score 20.4; DB 6; Length 1360;
Best Local Similarity 95.5%; Pred. No. 0.36;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGATAC 22
Db 242 CTGCACAGGAGGTTGGAGTAC 263

RESULT 3
US-10-750-623-47669
; Sequence 47669, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47669
; LENGTH: 1360
; TYPE: DNA
; ORGANISM: Bovine 19866880926144
US-10-750-623-47669

Query Match 92.7%; Score 20.4; DB 6; Length 1360;
Best Local Similarity 95.5%; Pred. No. 0.36;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGATAC 22
Db 242 CTGCACAGGAGGTTGGAGTAC 263

RESULT 4
US-11-121-849-531869/c
; Sequence 531869, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 531869
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien

US-11-121-849-531869

Query Match 86.4%; Score 19; DB 7; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAA 19
Db 19 CTGCACAGGAGGTTGGAA 1

RESULT 5
US-11-136-527-4432/c
; Sequence 4432, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4432
; LENGTH: 1400
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1375)..(1375)
; OTHER INFORMATION: n is a, c, g, or t
US-11-136-527-4432

Query Match 86.4%; Score 19; DB 7; Length 1400;
Best Local Similarity 90.5%; Pred. No. 1.8;
Matches 19; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 TGCACAGGAGGTTGGATAC 22
Db 630 TGCACAGGAGGTTGGATAC 610

RESULT 6
US-11-136-527-336/c
; Sequence 336, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 336
; LENGTH: 1666
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1641)..(1641)
; OTHER INFORMATION: n is a, c, g, or t
US-11-136-527-336

Query Match 86.4%; Score 19; DB 7; Length 1666;
Best Local Similarity 90.5%; Pred. No. 1.9;
Matches 19; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 TGCACAGGAGGTTGGAATAC 22
|||||
Db 896 TGCACAGGAGGTTGGRATAC 876

RESULT 7
US-10-185-40265
; Sequence 40265, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 40265
; LENGTH: 1882
; TYPE: DNA
; ORGANISM: Bovine 1986680841243
US-10-185-40265

Query Match 78.2%; Score 17.2; DB 6; Length 1882;
Best Local Similarity 86.4%; Pred. No. 15;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
|||||
Db 764 CAGCACAGGAGGATGGAATAC 785

RESULT 8
US-10-750-623-40265
; Sequence 40265, Application US/10750623
; Publication No. US20050287531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 40265
; LENGTH: 1882
; TYPE: DNA
; ORGANISM: Bovine 1986680841243
US-10-750-623-40265

Query Match 78.2%; Score 17.2; DB 6; Length 1882;
Best Local Similarity 86.4%; Pred. No. 15;
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
|||||

Db 764 CAGCACAGGAGGATGGAATAC 785

RESULT 9
US-11-124-368A-2915
; Sequence 2915, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2915
; LENGTH: 75330
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-2915

Query Match 76.4%; Score 16.8; DB 7; Length 75330;
Best Local Similarity 90.0%; Pred. No. 33;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 GCACAGGAGGTTGGAATAC 22
|||||
Db 18771 GCACAGGAGGTTGGAATCC 18790

RESULT 10
US-11-124-368A-6677/c
; Sequence 6677, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6677
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-368A-6677

Query Match 74.5%; Score 16.4; DB 7; Length 201;
Best Local Similarity 94.4%; Pred. No. 33;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 TGCACAGGAGGTTGGA 19
|||||
Db 37 TGCACAGGAGGTTGGA 20

RESULT 11
US-11-124-368A-15319

```
; Sequence 15319, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 2112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15319
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-11-124-368A-15319

Query Match      74.5%; Score 16.4; DB 7; Length 201;
Best Local Similarity 94.4%; Pred. No. 33;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GCACAGGAGGGTTGGAAT 20
Db 184 GCACAGGAGGCTTGGAA 201

RESULT 12
US-11-124-368A-2885
; Sequence 2885, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 2112
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2885
; LENGTH: 100000
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-11-124-368A-2885

Query Match      74.5%; Score 16.4; DB 7; Length 100000;
Best Local Similarity 94.4%; Pred. No. 53;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 2 TGCACAGGAGGGTTGGAA 19
Db 25636 TGCACAGGAGGCTTGGAA 25653

RESULT 13
US-11-069-908-552
; Sequence 552, Application US/11069908
; Publication No. US20050266432A1
; GENERAL INFORMATION:
; APPLICANT: OLIPHANT, ARNOLD
; APPLICANT: MURRAY, SARAH

; TITLE OF INVENTION: HAPLOTYPE MARKERS FOR DIAGNOSING SUSCEPTIBILITY TO IMMUNOLOGICAL
; FILE REFERENCE: 029011-0402
; CURRENT APPLICATION NUMBER: US/11/069,908
; CURRENT FILING DATE: 2005-02-28
; PRIOR APPLICATION NUMBER: 60/547,823
; PRIOR FILING DATE: 2004-02-26
; NUMBER OF SEQ ID NOS: 7098
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 552
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide
US-11-069-908-552

Query Match      73.6%; Score 16.2; DB 7; Length 25;
Best Local Similarity 85.7%; Pred. No. 36;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 TGCACAGGAGGGTTGGAATAC 22
Db 1 TGTACAGGAGCTTTGGAATAC 21

RESULT 14
US-11-069-908-2918
; Sequence 2918, Application US/11069908
; Publication No. US20050266432A1
; GENERAL INFORMATION:
; APPLICANT: OLIPHANT, ARNOLD
; APPLICANT: MURRAY, SARAH
; TITLE OF INVENTION: HAPLOTYPE MARKERS FOR DIAGNOSING SUSCEPTIBILITY TO IMMUNOLOGICAL
; FILE REFERENCE: 029011-0402
; CURRENT APPLICATION NUMBER: US/11/069,908
; CURRENT FILING DATE: 2005-02-28
; PRIOR APPLICATION NUMBER: 60/547,823
; PRIOR FILING DATE: 2004-02-26
; NUMBER OF SEQ ID NOS: 7098
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 2918
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide
US-11-069-908-2918

Query Match      73.6%; Score 16.2; DB 7; Length 25;
Best Local Similarity 85.7%; Pred. No. 36;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 TGCACAGGAGGGTTGGAATAC 22
Db 1 TGTACAGGAGCTTTGGAATAC 21

RESULT 15
US-11-108-528-45
; Sequence 45, Application US/11108528
; Publication No. US20050261189A1
; GENERAL INFORMATION:
; APPLICANT: Larsen, Glenn
; APPLICANT: Marvin, Martha
; APPLICANT: Li, Dean Y.
; APPLICANT: Wang, Elizabeth
; APPLICANT: Chen, C. M. Amy
; APPLICANT: Shamah, Steven M.
; TITLE OF INVENTION: METHODS OF PROMOTING CARDIAC CELL
; TITLE OF INVENTION: PROLIFERATION
; FILE REFERENCE: HYDR-P01-041
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; CURRENT APPLICATION NUMBER: US/11/108,528
; CURRENT FILING DATE: 2005-04-18
; PRIOR APPLICATION NUMBER: US 60/563,137
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 60/598,368
; PRIOR FILING DATE: 2004-08-02
; NUMBER OF SEQ ID NOS: 86
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 3154
; TYPE: DNA
; ORGANISM: Mouse
US-11-108-528-45

Query Match 71.8%; Score 15.8; DB 7; Length 3154;
Best Local Similarity 89.5%; Pred. No. 82;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 GCACAGGAGGGTTGGATA 21
|||
Db 1277 GCACAGGAGGGTTGGATA 1295

Search completed: January 8, 2006, 19:06:34
Job time : 993 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 8, 2006, 17:06:59 ; Search time 1732 Seconds
(without alignments)
722.030 Million cell updates/sec

Title: US-10-028-415-20

Perfect score: 22

Sequence: 1 ctgcacaggagggttgaatac 22

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 5883141 seqs, 28421725653 residues

Total number of hits satisfying chosen parameters: 11766282

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

GenEmbl.*

1: gb_ba.*

2: gb_in.*

3: gb_env.*

4: gb_om.*

5: gb_ov.*

6: gb_pat.*

7: gb_ph.*

8: gb_pr.*

9: gb_ro.*

10: gb_sts.*

11: gb_sv.*

12: gb_un.*

13: gb_vl.*

14: gb_hcg.*

15: gb_pl.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	22	100.0	250	6	AX322171 Sequence
C 2	22	100.0	400	6	BD059641 Secreted
C 3	22	100.0	418	10	BV196146 sqm18735
C 4	22	100.0	537	10	BV335238 S230P6449
C 5	22	100.0	545	6	CQ922201 Sequence
C 6	22	100.0	571	10	BV312092 S236P6311
C 7	22	100.0	775	6	CQ720809 Sequence
C 8	22	100.0	822	6	AX284014 Sequence
C 9	22	100.0	917	8	BC000064 Homo sapi
C 10	22	100.0	922	8	BC072014 Homo sapi
C 11	22	100.0	923	8	AB179457 Macaca fa
C 12	22	100.0	954	6	AX417444 Sequence
C 13	22	100.0	975	11	AY888736 Synthetic
C 14	22	100.0	975	11	AY891136 Synthetic
C 15	22	100.0	975	11	AY891391 Synthetic
C 16	22	100.0	1452	8	HUMDBPB
C 17	22	100.0	1454	8	BC015208 Homo sapi
C 18	22	100.0	1458	8	HUMAAE

C 19	22	100.0	1468	8	HUMNSEP
C 20	22	100.0	1474	6	CS032279
C 21	22	100.0	1474	6	CS041231
C 22	22	100.0	1474	8	HUMRNABP
C 23	22	100.0	1475	8	BC098435
C 24	22	100.0	1476	6	CQ724685
C 25	22	100.0	1481	6	AR117695
C 26	22	100.0	1481	6	AX409453
C 27	22	100.0	1481	6	AX498410
C 28	22	100.0	1481	6	AX840171
C 29	22	100.0	1481	8	HUMYBIA
C 30	22	100.0	1503	4	OCUL6821
C 31	22	100.0	1513	8	BC090038
C 32	22	100.0	1521	8	BC038384
C 33	22	100.0	1529	8	BC065571
C 34	22	100.0	1543	8	BC002411
C 35	22	100.0	1548	6	BD203713
C 36	22	100.0	1548	6	AX014868
C 37	22	100.0	1554	8	BC010430
C 38	22	100.0	1574	8	BC070084
C 39	22	100.0	1599	8	BC071708
C 40	22	100.0	2168	8	HUMPSDBPB
C 41	22	100.0	3073	6	AR083654
C 42	22	100.0	3073	6	I22491
C 43	22	100.0	99886	8	AL135841
C 44	22	100.0	144902	14	AC016114
C 45	22	100.0	161835	8	AC098484

ALIGNMENTS

RESULT 1	AX322171	250 bp	DNA	linear	PAT 07-JAN-2002
LOCUS	AX322171/c	Sequence 44 from Patent EP1162276.			
DEFINITION	AX322171				
ACCESSION	AX322171.1	GI:18093236			
VERSION	AX322171.1				
KEYWORDS	Homo sapiens (human)				
SOURCE	Homo sapiens				
ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.				
REFERENCE	1				
AUTHORS	Kramer, M.D., Winter, H. and Reinartz, J.				
TITLE	Mrna molecules to be used as indicators of the functional and activation state of t-lymphocytes				
JOURNAL	Patent: EP 1162276-A 44 12-DEC-2001; Lynx Therapeutics GmbH (DE)				
FEATURES	Location/Qualifiers				
source	1..250				
	/organism="Homo sapiens"				
	/mol_type="unassigned DNA"				
	/db_xref="taxon:9606"				

ORIGIN	Query Match	100.0%;	Score 22;	DB 6;	Length 250;
	Best Local Similarity	100.0%;	Pred. No. 0.77;		
	Matches 22;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	CTGCACAGAGGGTTTGAATAC 22			
Db	125	CTGCACAGAGGGTTTGAATAC 104			
RESULT 2	BD059641	400 bp	DNA	linear	PAT 27-AUG-2002
LOCUS	BD059641	Secreted sequence tags (sESTs).			
DEFINITION	BD059641				
ACCESSION	BD059641.1	GI:22605247			
VERSION	BD059641.1				
KEYWORDS	JP 2001518793-A/1.				

```

SOURCE Zea mays
ORGANISM Zea mays
REFERENCE Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
AUTHORS Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD
clade; Panicoideae; Andropogoneae; Zea.
TITLE 1 (bases 1 to 400)
JOURNAL Jacobs,K., McCoy,J.M., Lavallie,E.R., Racie,L.A., Merberg,D.,
Treacy,M., Spaulding,V. and Agostino,M.J.
Secreted expressed sequence tags (sESTs)
Patent: JP 2001518793-A 1 16-OCT-2001;
GENETICS INSTITUTE INC
COMMENT PN JP 2001518793-A/1
PD 16-OCT-2001
PF 10-APR-1998 JP 1998543070
PR 10-APR-1997 US 08/837312
PI KENNETH JACOBS,JOHN M MCCOY,EDWARD R LAVALLIE,LISA A RACIE, PI
DAVID MERBERG,
PI MAURICE TREACY,VIKKI SPAULDING,MICHAEL J AGOSTINO PC
C12N15/12,C12N5/10,C07K14/47,C12Q1/68,A61K38/17 CC Strandedness:
Double;
CC Topology: Linear; Location/Qualifiers.
FH Key Location/Qualifiers
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1..400
/organism="Zea mays"
/mol_type="genomic DNA"
/db_xref="taxon:457"
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Best Local Similarity 100.0%; Pred. No. 0.77;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTGCACAGGAGGGTTGGAATAC 22
Db 200 CTGCACAGGAGGGTTGGAATAC 221
RESULT 3
BV196146 418 bp DNA linear STS 10-JUN-2004
LOCUS sqm187359 Human DNA (Sequenom) Homo sapiens STS genomic, sequence
DEFINITION tagged site.
ACCESSION BV196146
VERSION 1 GI:48040237
KEYWORDS STS.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominoidea; Homo.
REFERENCE 1 (bases 1 to 418)
AUTHORS Nelson,R.M., Marnellos,G., Kammerer,S., Hoyal,C.R., Shi,M.M.,
Cantor,C.R. and Braun,A.
TITLE Large-Scale Validation of Single Nucleotide Polymorphisms in Gene
Regions
JOURNAL Genom Res. (2004) In press
COMMENT Contact: Andreas Braun
Pharmaceuticals division
Sequenom, Inc.
3595 John Hopkins Court, San Diego, CA 92121, USA
Tel: 18582029018
Fax: 18582029020
Email: abraun@sequenom.com
Primer A: No primer sequence submitted
Primer B: No primer sequence submitted
STS size: 418.
Location/Qualifiers
1..418
/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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1..418
/clone_lib="Human DNA (Sequenom)"
<1..>418
ORIGIN
Query Match 100.0%; Score 22; DB 10; Length 418;
Best Local Similarity 100.0%; Pred. No. 0.77;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTGCACAGGAGGGTTGGAATAC 22
Db 226 CTGCACAGGAGGGTTGGAATAC 247
RESULT 4
BV335238 537 bp DNA linear STS 27-JAN-2005
LOCUS S230P6449RD8.T0 Rottweiler Canis familiaris STS genomic, sequence
DEFINITION tagged site.
ACCESSION BV335238
VERSION 1 GI:57535541
KEYWORDS STS.
SOURCE Canis familiaris (dog)
ORGANISM Canis familiaris
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae;
Canis.
REFERENCE 1 (bases 1 to 537)
AUTHORS Lindblad-Toh,K.
TITLE The genome sequence of Canis familiaris
JOURNAL Unpublished (2004)
COMMENT Contact: Kerstin Lindblad-Toh
Whitehead Institute for Biomedical Research, Center for Genome
Research
320 Charles Street, Cambridge, MA 02141, USA
Tel: 6172521477
Fax: 6172580903
Email: kersli@genome.wi.mit.edu
Primer A: No sequence submitted
Primer B: No sequence submitted
STS size: 537
Protocol:
WGS-discovery (WGS):
Paired-end low-coverage whole genome shotgun reads were generated
from 9 breeds
(German Shepherd, Rottweiler, Bedlington Terrier, Beagle, Labrador
Retriever, English
Shepherd, Italian Greyhound, Alaskan Malamute and the Portuguese
Water Dog -100,000 each)
and five other canids (Chinese, Alaskan, Indian and Spanish Gray
Wolf as well as the
Californian Coyote).
The WGS reads were placed uniquely on the CanFam1.0 boxer assembly
and SNP detection was
carried out by SSAHA-SNP. 863872 reads were annotated as STSs and
485941 SNPs were
annotated with alleles from the boxer and the breed or canid from
which the particular
read came. The validation rate for these SNPs was estimated at
approximately 98%.
WGA-discovery (WGA) of Boxer/Poodle SNPs:
A second set of SNPs was generated using a similar methodology
except that the contigs
from the 1.5x poodle assembly (Kirkness 2003) were used instead of
WGS reads. Since this
sequence lacked base quality scores, arbitrary quality scores of
phred 40 were assigned
before the poodle sequence was placed uniquely on the CanFam1.0
boxer assembly and SNP
detection was carried out by SSAHA-SNP. 1637780 SNPs were annotated
with alleles from the
boxer and the poodle. The validation rate for these SNPs was
estimated at approximately TBD%.

```

Internal-WGA-discovery (I-WGA):
 A third set of SNPs were discovered by comparing reads in the WGA assembly. SNPs were defined as mismatch positions that had a base quality of ≥ 30 on both reads in a region that aligned without gaps, and with at most one additional mismatch in the ten flanking bases. For each allele, at least one additional read had to confirm it. 731476 SNPs were annotated with alleles between the two boxer alleles. The validation rate for these SNPs was estimated at approximately TBD%.

FEATURES
 source
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 /mol_type="genomic DNA"
 /strain="Rottweiler"
 /db_xref="taxon:9615"
 /map="4 2 22-491 14601761-14601292"
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ORIGIN

Query Match 100.0%; Score 22; DB 10; Length 537;
 Best Local Similarity 100.0%; Pred. No. 0.77;
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGGTTGGAATAC 22
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Db 514 CTGCACAGGAGGGTTGGAATAC 493
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RESULT 5

CQ922201/c Q922201 545 bp DNA linear PAT 23-NOV-2004
 LOCUS Sequence 3401 from Patent WO2004097052.
 DEFINITION CQ922201

ACCESSION CQ922201

VERSION CQ922201.1 GI:56212142

KEYWORDS Homo sapiens (human)

SOURCE Homo sapiens

ORGANISM
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Homnidae; Homo.

REFERENCE

1 Burczynski, M.E., Twine, N.C., Slonim, D.K., Trepicchio, W.L.,
 Strahs, A., Immerman, F. and Dornex, A.J.
 Methods for prognosis and treatment of solid tumors
 Patent: WO 2004097052-A 3401 11-NOV-2004;
 Wyeth (US); Burczynski, Michael E. (US)

FEATURES

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 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"

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misc_feature 79
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 nucleotide"

misc_feature 114
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 nucleotide"

misc_feature 122
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misc_feature 131
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 nucleotide"

misc_feature 134
 /note="n includes a, c, g, or t, or contains no
 nucleotide"

misc_feature 138
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 239. .244
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 nucleotide"
 256. .260
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 nucleotide"
 263
 /note="n includes a, c, g, or t, or contains no
 nucleotide"

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Query Match 100.0%; Score 22; DB 6; Length 545;
 Best Local Similarity 100.0%; Pred. No. 0.77;
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGGTTGGAATAC 22
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Db 36 CTGCACAGGAGGGTTGGAATAC 15
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RESULT 6

BV312092/c BV312092 571 bp DNA linear STS 26-JAN-2005
 LOCUS S236P6311RA2.T0 Alaskan Malamute Canis familiaris STS genomic,
 DEFINITION sequence tagged site.

ACCESSION BV312092

VERSION BV312092.1 GI:57510584

KEYWORDS STS.

SOURCE Canis familiaris (dog)

ORGANISM
 Canis familiaris
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae;
 Canis.

REFERENCE 1 (bases 1 to 571)

AUTHORS Lindblad-Toh, K.

TITLE The genome sequence of Canis familiaris

JOURNAL Unpublished (2004)

COMMENT

Contact: Kerstin Lindblad-Toh
 Whitehead Institute for Biomedical Research, Center for Genome
 Research
 320 Charles Street, Cambridge, MA 02141, USA
 Tel: 6172521477

Fax: 6172580903

Email: kersli@genome.wi.mit.edu

Primer A: No sequence submitted

Primer B: No sequence submitted

STS size: 571

Protocol:

WGS-discovery (WGS):

Paired-end low-coverage whole genome shotgun reads were generated
 from 9 breeds
 (German Shepherd, Rottweiler, Bedlington Terrier, Beagle, Labrador
 Retriever, English
 Shepherd, Italian Greyhound, Alaskan Malamute and the Portuguese
 Water Dog -100,000 each)
 and five other canids (Chinese, Alaskan, Indian and Spanish Gray
 Wolf as well as the
 Californian Coyote).
 The WGS reads were placed uniquely on the CanFam1.0 boxer assembly
 and SNP detection was

carried out by SSAHA-SNP. 863872 reads were annotated as STSs and 485941 SNPs were annotated with alleles from the boxer and the breed or canid from which the particular read came. The validation rate for these SNPs was estimated at approximately 98%.
 A second set of SNPs was generated using a similar methodology except that the contigs phred 40 were assigned from the 1.5x poodle assembly (Kirkness 2003) were used instead of WGS reads. Since this sequence lacked base quality scores, arbitrary quality scores of phred 40 were assigned before the poodle sequence was placed uniquely on the CanFam1.0 boxer assembly and SNP detection was carried out by SSAHA-SNP. 1637780 SNPs were annotated with alleles from the boxer and the poodle. The validation rate for these SNPs was estimated at approximately TBD%.

Internal-WGA-discovery (I-WGA):
 A third set of SNPs were discovered by comparing reads in the WGA assembly. SNPs were defined as mismatch positions that had a base quality of >= 30 on both reads in a region that aligned without gaps, and with at most one additional mismatch in the ten flanking bases. For each allele, at least one additional read had to confirm it. 731476 SNPs were annotated with alleles between the two boxer alleles. The validation rate for these SNPs was estimated at approximately TBD%.

FEATURES

source
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 /organism="Canis familiaris"
 /mol_type="genomic DNA"
 /strain="AlaskanMalamute"
 /db_xref="taxon:9615"
 /map="2 22-517 14601592-14601097"
 /clone_lib="AlaskanMalamute"
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STS

ORIGIN
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 Best Local Similarity 100.0%; Pred. No. 0.77;
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGGTTGGAATAC 22
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 DB 345 CTGCACAGGAGGGTTGGAATAC 324

RESULT 7

LOCUS CQ720809/c 775 bp DNA linear PAT 03-FEB-2004
 DEFINITION Sequence 6743 from Patent WO02068579.
 ACCESSION CQ720809
 VERSION CQ720809.1 GI:42281666
 KEYWORDS .

SOURCE
 Homo sapiens (human)
 ORGANISM
 Homo sapiens

REFERENCE
 AUTHORS Venter, C.J., Adams, M.C., Li, P.W. and Myers, E.W.
 TITLE Kites, such as nucleic acid arrays, comprising a majority of humanexons or transcripts, for detecting expression and other uses thereof
 JOURNAL Patent: WO 02068579-A 6743 06-SEP-2002;
 PE Corporation (NY) (US)

FEATURES
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 1..775
 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"

ORIGIN

Query Match 100.0%; Score 22; DB 6; Length 775;
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 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGGTTGGAATAC 22
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 DB 442 CTGCACAGGAGGGTTGGAATAC 421

RESULT 8

LOCUS AX284014 822 bp RNA linear PAT 20-NOV-2001
 DEFINITION Sequence 287 from Patent WO0179287.
 ACCESSION AX284014
 VERSION AX284014.1 GI:17044725
 KEYWORDS .
 SOURCE synthetic construct
 ORGANISM other sequences; artificial sequences.

REFERENCE 1
 AUTHORS Palin, M.F., Pomar, C. and Gari, P.Y., C.
 TITLE Steatosis-modulating factors and uses thereof
 JOURNAL Patent: WO 0179287-A 287 25-OCT-2001;
 Sa Majesté la Reine du Chef du Canada Agriculture (CA);
 Agroalimentaire Canada (CA)

FEATURES

source
 1..822
 /organism="synthetic construct"
 /mol_type="unassigned RNA"
 /db_xref="taxon:32630"
 /note="Expressed Sequence Tag Porcine Muscular steatosis"

ORIGIN

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 Best Local Similarity 100.0%; Pred. No. 0.77;
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGGTTGGAATAC 22
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 DB 71 CTGCACAGGAGGGTTGGAATAC 92

RESULT 9

LOCUS BC000064/c 917 bp mRNA linear PRI 30-SEP-2003
 DEFINITION Homo sapiens nuclease sensitive element binding protein 1, mRNA
 (CDNA clone IMAGE:3510030), partial cds.
 ACCESSION BC000064
 VERSION BC000064.2 GI:33875176
 KEYWORDS .

SOURCE
 Homo sapiens (human)
 ORGANISM
 Homo sapiens

REFERENCE
 AUTHORS Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Homnidae; Homo.
 1 (bases 1 to 917)

STRAUSBERG, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G., Klausner, R.D., Collins, F.S., Wagner, L., Shenmen, C.M., Schuler, G.D., Altshul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K., Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F., Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L., Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S., Carninci, P., Prange, C., Raha, S.S., Loquellano, N.A., Peters, G.J., Abramson, R.D., Mullahy, S.J., Bosak, S.A., McEwan, P.J., McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S., Worley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S., Villalón, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A., Fahey, J., Helton, E., Kettelman, M., Madan, A., Rodriguez, S.,

	Dna-binding protein yb-1-containing collagen accumulation inhibitors Patent: EP 1197495-A 26 17-APR-2002; Sumitomo Chemical Company, Limited (JP) Location/Qualifiers		
TITLE	JOURNAL	gene	CDS
FEATURES	source		
	1..954 /organism="Homo sapiens" /mol_type="unassigned DNA" /db_xref="taxon:9606"	1..975 /gene="NSEP1" 1..975 /gene="NSEP1" /codon_start=1 /transl_table=11 /product="nuclease sensitive element binding protein 1" /protein_id="AAK41678.1" /db_xref="GI:61359169"	
CDS	1..954 /note="unnamed protein product" /codon_start=1 /protein_id="CAD35407.1" /db_xref="GI:21522730"	/translations="MSSEAEATQPPAAPALSAADTKPGTTGSGAGSGGGGLTS AAPAGDGKKVIATKVTGVNVRNGYGFINRNDTKEDVFVHOTAI KKNPKRYLRS VGDETVEFDVVEGEKEGAANVTGGVPVOGSKYAADRNHYRRYPRRGGPRNVQQ NYQNSESKEKGESASEQAQRPRRRFPFYMRPYGRRRQIYNPNPVQGVSM EGADNQAGGQGRFVNQMYRGYRFRFGPPRPQRPREDNEEDKENQDGTQGGOQP PQRRYRNFNRYRRRPNPKPDGKETKAADPPAENSRSRG"	
ORIGIN			
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Qy	1 CTGCACAGGAGGGTTGGAATAC 22 	1 CTGCACAGGAGGGTTGGAATAC 22 	
Db	642 CTGCACAGGAGGGTTGGAATAC 621 	642 CTGCACAGGAGGGTTGGAATAC 621 	
RESULT 13		RESULT 14	
AY888736/c	AY888736	AY891136/c	
LOCUS	AY888736 975 bp mRNA linear SYN 29-MAR-2005	LOCUS	AY891136 975 bp mRNA linear SYN 21-MAR-2005
DEFINITION	Synthetic construct Homo sapiens clone FLH030953.01X nuclease sensitive element binding protein 1 (NSEP1) mRNA, complete cds.	DEFINITION	Synthetic construct Homo sapiens clone FLH007972.01L nuclease sensitive element binding protein 1 (NSEP1) mRNA, partial cds.
ACCESSION	AY888736	ACCESSION	AY891136
VERSION	AY888736.1 GI:61359168	VERSION	AY891136.1 GI:61367906
KEYWORDS	Human ORF Project.	KEYWORDS	Human ORF Project.
SOURCE	synthetic construct	SOURCE	synthetic construct
ORGANISM	other sequences; artificial sequences.	ORGANISM	synthetic construct other sequences; artificial sequences.
REFERENCE	1 (bases 1 to 975)	REFERENCE	1 (bases 1 to 975)
AUTHORS	Hines,L., Rolfs,A., Jepson,D., Moreira,D., Raphael,J., Kelley,F., Shen,B., Halleck,A., Koundinya,M., Hu,Y., Zuo,D., Taycher,E., Williamson,J. and LaBaer,J.	AUTHORS	Hines,L., Rolfs,A., Jepson,D., Moreira,D., Raphael,J., Kelley,F., Shen,B., Halleck,A., Koundinya,M., Hu,Y., Zuo,D., Taycher,E., Williamson,J. and LaBaer,J.
TITLE	Cloning of human full-length CDS in Creator (TM) recombinational vector system	TITLE	Cloning of human full-length CDS in Creator (TM) recombinational vector system
JOURNAL	Unpublished	JOURNAL	Unpublished
REFERENCE	2 (bases 1 to 975)	REFERENCE	2 (bases 1 to 975)
AUTHORS	Hines,L., Rolfs,A., Jepson,D., Moreira,D., Raphael,J., Kelley,F., Shen,B., Halleck,A., Koundinya,M., Hu,Y., Zuo,D., Taycher,E., Williamson,J. and LaBaer,J.	AUTHORS	Hines,L., Rolfs,A., Jepson,D., Moreira,D., Raphael,J., Kelley,F., Shen,B., Halleck,A., Koundinya,M., Hu,Y., Zuo,D., Taycher,E., Williamson,J. and LaBaer,J.
TITLE	Direct Submission	TITLE	Direct Submission
JOURNAL	Submitted (04-JAN-2005) Biological Chemistry and Molecular Pharmacology, Harvard Institute of Proteomics, 320 Charles St., Cambridge, MA 02141, USA	JOURNAL	Submitted (05-JAN-2005) Biological Chemistry and Molecular Pharmacology, Harvard Institute of Proteomics, 320 Charles St., Cambridge, MA 02141, USA
COMMENT	This CDS clone is a part of a collection of human full-length expression clones generated by Harvard Institute of Proteomics. This ORF clone has been cloned with normalized stop-codon. The CDS has been directionally cloned using BD In-Fusion(TM) cloning system between the SalI and HindIII sites of the pDNR-Dual vector. Additional sequences in the clone: 'ACC' after SalI site and before 'ATG' to provide Kozak consensus sequence. Each clone is clonally isolated and full-length sequence-verified.	COMMENT	This CDS clone is a part of a collection of human full-length expression clones generated by Harvard Institute of Proteomics. This ORF clone has been cloned without stop-codon (to allow fusion with C-terminal tag). The CDS has been directionally cloned using BD In-Fusion(TM) cloning system between the SalI and HindIII sites of the pDNR-Dual vector. Additional sequences in the clone: 'ACC' after SalI site and before 'ATG' to provide Kozak consensus sequence; 'GG' after last codon and before HindIII site to maintain reading frame. Each clone is clonally isolated and full-length sequence-verified.
FEATURES	source	FEATURES	source
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/ translation="MSSSEATQPPAAPAALSAADTKPGTTGSGAGSGGPGGLTS
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ORIGIN
Query Match 100.0%; Score 22; DB 11; Length 975;
Best Local Similarity 100.0%; Pred. No. 0.77; Mismatches 0; Indels 0; Gaps 0;
Matches 22; Conservative 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
Db 642 CTGCACAGGAGGTTGGAATAC 621

RESULT 15
AY891391/c
LOCUS
DEFINITION
Synthetic construct Homo sapiens clone FLH030949.01L nuclease
sensitive element binding protein 1 (NSEP1) mRNA, partial cds.
ACCESSION
AY891391
VERSION
AY891391.1 GI:61369329
KEYWORDS
Human ORF Project.
SOURCE
synthetic construct
ORGANISM
other sequences; artificial sequences.
1. (bases 1 to 975)
Hines,L., Rolfs,A., Jepson,D., Moreira,D., Raphael,J., Kelley,F.,
Shen,B., Halleck,A., Koundinya,M., Hu,Y., Zuo,D., Taycher,E.,
Williamson,J. and Labaer,J.
Cloning of human full-length CDS in Creator (TM) recombinational
vector system
Unpublished
2. (bases 1 to 975)
Hines,L., Rolfs,A., Jepson,D., Moreira,D., Raphael,J., Kelley,F.,
Shen,B., Halleck,A., Koundinya,M., Hu,Y., Zuo,D., Taycher,E.,
Williamson,J. and Labaer,J.
Direct Submission
Submitted (05-JAN-2005) Biological Chemistry and Molecular
Pharmacology, Harvard Institute of Proteomics, 320 Charles St.,
Cambridge, MA 02141, USA
This CDS clone is a part of a collection of human full-length
expression clones generated by Harvard Institute of Proteomics.
This ORF clone has been cloned without stop-codon (to allow fusion
with C-terminal tag). The CDS has been directionally cloned using
BD In-Fusion(TM) cloning system between the SalI and HindIII sites
of the pDNR-Dual vector. Additional sequences in the clone: 'ACC'
after SalI site and before 'ATG' to provide Kozak consensus
sequence; 'GG' after last codon and before HindIII site to maintain
reading frame. Each clone is clonally isolated and full-length
sequence-verified.
FEATURES
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Location/Qualifiers
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/ mol_type="mRNA"
/ db_xref="taxon:32630"
/ clone="FLH030949.01L"
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/ note="derived from MGC template"
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gene
CDS
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AAPAGGDKKVIATKVLGTVKWFNVNRNGYGFINRNDTKEDVFVHQTAIKNNPRKYLRS
VGDGETVEFDVVEGEKGAEEAANVTGPGVPVQGSXYAADRNHYRYPRRRPPRNYQQ
NYQNSEGEKNEGSSEAPGQAQRPPYRRRFPFYMMRPYGRRPQYNSNPVQGEVM
EGADNOGAGEQGRPVQRNMRYGRPRFRGPPROPREDGNEEDKENQDGTQGOQP
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ORIGIN
Query Match 100.0%; Score 22; DB 11; Length 975;
Best Local Similarity 100.0%; Pred. No. 0.77; Mismatches 0; Indels 0; Gaps 0;
Matches 22; Conservative 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
Db 642 CTGCACAGGAGGTTGGAATAC 621

Search completed: January 8, 2006, 17:56:30
Job time : 1736 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 8, 2006, 17:08:45 ; Search time 2518 Seconds
(without alignments)
408.783 Million cell updates/sec

Title: US-10-028-415-20

Perfect score: 22

Sequence: 1 ctgcacaggagggttggaatac 22

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 41078325 seqs, 23393541228 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

EST:*

1: gb_est1.*

2: gb_est2.*

3: gb_est3.*

4: gb_hic.*

5: gb_est4.*

6: gb_est5.*

7: gb_est6.*

8: gb_est7.*

9: gb_gse1.*

10: gb_gse2.*

11: gb_gse3.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	22	100.0	95	3	BM194709
C 2	22	100.0	132	1	AI905848
C 3	22	100.0	137	8	N85328 J3215F Huma
C 4	22	100.0	152	1	AI905850
C 5	22	100.0	178	2	BF757327 MR0-CT054
C 6	22	100.0	181	8	T63887 Yc16h10.s1
C 7	22	100.0	199	3	BM851169
C 8	22	100.0	205	1	AW361577
C 9	22	100.0	211	1	AI907390
C 10	22	100.0	218	2	BF827899
C 11	22	100.0	229	3	BQ048903 AGENCOURT
C 12	22	100.0	232	3	BM849989
C 13	22	100.0	239	1	AI905842
C 14	22	100.0	264	1	AW059746
C 15	22	100.0	270	2	BG990119
C 16	22	100.0	276	2	BF858412
C 17	22	100.0	281	2	BF991764
C 18	22	100.0	287	2	BF331397
C 19	22	100.0	287	3	BM013541
C 20	22	100.0	289	2	BF991767
C 21	22	100.0	294	2	BF991360
C 22	22	100.0	295	8	W16742 zb17c11.r1

C 23	22	100.0	300	2	BF762156
C 24	22	100.0	304	2	BF378675
C 25	22	100.0	304	8	T29674
C 26	22	100.0	305	8	N46380
C 27	22	100.0	325	1	AW889366
C 28	22	100.0	328	3	BM850970
C 29	22	100.0	330	2	BF916151
C 30	22	100.0	331	1	AI907387
C 31	22	100.0	331	2	BE939753
C 32	22	100.0	341	1	AW938845
C 33	22	100.0	341	3	BM797655
C 34	22	100.0	343	1	AA172062
C 35	22	100.0	343	6	CB145305
C 36	22	100.0	345	8	RO1362
C 37	22	100.0	347	2	BE843807
C 38	22	100.0	349	1	AW068164
C 39	22	100.0	357	1	AW804381
C 40	22	100.0	357	2	BE825739
C 41	22	100.0	361	2	BF991791
C 42	22	100.0	362	2	BF991367
C 43	22	100.0	362	8	D56380
C 44	22	100.0	364	1	AI908098
C 45	22	100.0	364	2	BF858472

ALIGNMENTS

RESULT 1
BM194709/c
LOCUS
DEFINITION
EST356 Swine Xiang Longissimus Dorsi Muscle cDNA Library Sus scrofa
cDNA clone pm356 5', mRNA sequence.
ACCESSION
BM194709
VERSION
BM194709.1 GI:17653695
KEYWORDS
EST.
SOURCE
Sus scrofa (pig)
ORGANISM
Sus scrofa
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Suina; Suidae;
Sus.
REFERENCE
1 (bases 1 to 95)
Wang,X., Li,N., Wu,C. and Li,C.
TITLE
The Study on Pig Muscle Developmental Biology by Analysis of
Expressed Sequence Tags
JOURNAL
Unpublished (2001)
COMMENT
Contact: Wang Xiuli
Department of Animal Science and Technology, The national key
laboratory of agro-department
China Agricultural University
Yuan Ming Yuan West Road 2, Beijing, China, 100094
Email: xiuliwang318@263.net
This sequence may serve as a candidate gene of meat quality
Seq primer: T3 Primer.
Location/Qualifiers
1..95
/organism="Sus scrofa"
/mol_type="mRNA"
/strain="Xiang Pig"
/db_xref="taxon:9823"
/clones="pm356"
/tissue_type="Muscle"
/clone_lib="Swine Xiang Longissimus Dorsi Muscle cDNA
Library"
/note="Organ: Longissimus Dorsi Muscle; The EST sequences
were gotten from sequencing xiang pig muscle cDNA Library"

ORIGIN

Query Match 100.0%; Score 22; DB 3; Length 95;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;


```
Tel: +55-11-2704922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
project. This entry can be seen in the following URL
(http://www.ludwig.org.br/seq/gethtml.pl?tl=Qv&t2=QV-BT100-017_1.ht
ml&t3=150399&t4=1)
Seq primer: puc 18 forward.
Location/Qualifiers
1..152
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/sex="female"
/dev_stage="Adult"
/clone_lib="BT100"
/note="Organ: breast; Vector: puc18; Site 1: SmaI; Site 2:
SmaI; A mini-library was made by cloning products derived
from ORESTES PCR (U.S. Letters Patent application No.
196,716 - Ludwig Institute for Cancer Research) profiles
into the pUC 18 vector. Reverse transcription of tissue
mRNA and cDNA amplification were performed under low
stringency conditions."
ORIGIN
Query Match 100.0%; Score 22; DB 1; Length 152;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CTGCACAGGAGGGTTGGAATAC 22
Db 87 CTGCACAGGAGGGTTGGAATAC 108
RESULT 5
LOCUS BF757327/c 178 bp mRNA linear EST 12-JAN-2001
DEFINITION MRO-CT0540-041100-101-f02 CT0540 Homo sapiens cDNA, mRNA sequence.
ACCESSION BF757327
VERSION BF757327.1 GI:12105227
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 178)
Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R.,
Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.P.,
Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H.,
Brunstein,A., deoliveira,P.S., Bucher,P., Jongeneel,C.V.,
O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
Simpson,A.J.
Shotgun sequencing of the human transcriptome with ORF expressed
sequence tags
Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)
10737800
Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
Brazil
Tel: +55-11-2704922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=MRO&t2=MRO-CT0540-
041100-101-f02&t3=2000-11-04&t4=1)
Seq primer: puc 18 forward
High quality sequence start: 12
High quality sequence stop: 178.
Location/Qualifiers
1..181
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone_lib="IMAGE:80899"
/sex="male"
/dev_stage="72 years"
/lab_host="SOLR cells (kanamycin resistant)"
/clone_lib="Stratagene lung (#937210)"
Tel: +55-11-2704922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/scripts/gethtml2.pl?tl=Qv&t2=QV-BT100-017_1.ht
ml&t3=150399&t4=1)
Seq primer: puc 18 forward.
Location/Qualifiers
1..178
/organism="Homo sapiens"
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/db_xref="taxon:9606"
/dev_stage="Adult"
/clone_lib="CT0540"
/note="Organ: colon; Vector: puc18; Site 1: SmaI; Site 2:
SmaI; A mini-library was made by cloning products derived
from ORESTES PCR (U.S. Letters Patent application No.
196,716 - Ludwig Institute for Cancer Research) profiles
into the pUC 18 vector. Reverse transcription of tissue
mRNA and cDNA amplification were performed under low
stringency conditions."
ORIGIN
Query Match 100.0%; Score 22; DB 2; Length 178;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CTGCACAGGAGGGTTGGAATAC 22
Db 94 CTGCACAGGAGGGTTGGAATAC 73
RESULT 6
LOCUS T63887 181 bp mRNA linear EST 17-FEB-1995
DEFINITION YC16h10.s1 Stratagene lung (#937210) Homo sapiens cDNA clone
IMAGE:80899 3', similar to gb:J03827 Y BOX BINDING PROTEIN-1
(HUMAN);, mRNA sequence.
T63887
T63887.1 GI:667752
EST.
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 181)
Hillier,L., Lennon,G., Becker,M., Bonaldo,M.F., Chiapelli,B.,
Chisoe,S., Dietrich,N., DuBuque,T., Favello,A., Gish,W.,
Hawkins,M., Hultman,M., Kucaba,T., Lacy,M., Le,M., Le,N.,
Mardi,B., Moore,B., Morris,M., Parsons,J., Prange,C., Rifkin,L.,
Rohlfing,T., Schellenberg,K., Soares,M.B., Tan,F., Thierry-Mieg,J.,
Travaakis,E., Underwood,K., Wohldmann,P., Waterston,R., Wilson,R.
and Maria,M.
Generation and analysis of 280,000 human expressed sequence tags
Genome Res. 6 (9), 807-828 (1996)
889549
Contact: Wilson RK
Washington University School of Medicine
444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
Insert Size: 563
High quality sequence stops: 149 Source: IMAGE Consortium, LLNL This
clone is available royalty-free through LLNL; contact the IMAGE
Consortium (info@image.llnl.gov) for further information.
Insert Length: 563 Std Error: 0.00
Seq primer: -21ml3
High quality sequence stop: 149.
Location/Qualifiers
1..181
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/mol_type="mRNA"
/db_xref="GDB:484516"
/db_xref="taxon:9606"
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/sex="male"
/dev_stage="72 years"
/lab_host="SOLR cells (kanamycin resistant)"
/clone_lib="Stratagene lung (#937210)"
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/note="Organ: lung; Vector: pBluescript SK-; Site 1: EcoRI; Site 2: XhoI; Cloned unidirectionally. Primer: Oligo, dt, normal lung. Average insert size: 1.0 kb; Uni-ZAP XR Vector; ~5' adaptor sequence: 5' GAATTCGACGAG 3' -3' adaptor sequence: 5' CTCGAGTTTTTTTTTTTTT 3"

ORIGIN

Query Match 100.0%; Score 22; DB 8; Length 181;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGGTTGGAATAC 22
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Db 112 CTGCACAGGAGGGTTGGAATAC 133

RESULT 7

BM851169/c
LOCUS BM851169 199 bp mRNA linear EST 06-MAR-2002
DEFINITION K-EST0131931 S19N665307 Homo sapiens cDNA clone S19N665307-17-A01
5', mRNA sequence.

ACCESSION BM851169
VERSION BM851169.1 GI:19207568
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 199)
Kim,N.S., Hahn,Y., Oh,J.H., Lee,J.Y., Ahn,H.Y., Chu,M.Y., Kim,M.R., Oh,K.J., Cheong,J.E., Sohn,H.Y., Kim,J.M., Park,H.S., Kim,S. and Kim,Y.S.

REFERENCE

AUTHORS Kim,N.S., Hahn,Y., Oh,J.H., Lee,J.Y., Ahn,H.Y., Chu,M.Y., Kim,M.R., Oh,K.J., Cheong,J.E., Sohn,H.Y., Kim,J.M., Park,H.S., Kim,S. and Kim,Y.S.
TITLE 21C Frontier Korean EST Project 2001
JOURNAL Unpublished (2002)
COMMENT Contact: Kim YS

FEATURES

source
1..199
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="S19N665307-17-A01"
/sex="M"
/lab_host="Top10F"
/clone_lib="S19N665307"
/note="Organ: Stomach; Vector: pCNS; Site 1: EcoRI; Site 2: NotI; The poly (A)+ RNA was dephosphorylated with bacterial alkaline phosphatase (BAP) and then decapped with tabacco acid pyrophosphatase (TAP). The decapped intact mRNA was ligated with DNA-RNA linker including EcoR I site by treatment of T4 RNA ligase and the first strand cDNA was synthesized from oligo dt-selected mRNA by priming with dt-tailed vector. The dt-tailed vector was adjusted to have about 60nt. The cDNA vector was circularized with E. coli DNA ligase after digestion of EcoRI which site is also included in vector. An RNA strand converted to a DNA strand by Okayama-Berg method. The obtained cDNA vectors were used for transformation of competent cells E. coli Top10F' by electroporation method. The cDNA libraries constructed by this method are full-length enriched cDNA library."

ORIGIN

Query Match 100.0%; Score 22; DB 3; Length 199;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGGTTGGAATAC 22
|||||
Db 123 CTGCACAGGAGGGTTGGAATAC 102

RESULT 9

AI907390
LOCUS AI907390 211 bp mRNA linear EST 30-MAR-2000
DEFINITION QV-BT141-180399-018 BT141 Homo sapiens cDNA, mRNA sequence.
ACCESSION AI907390
VERSION AI907390.1 GI:6497820
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

Query Match

Best Local Similarity 100.0%; Score 22; DB 3; Length 199;

Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTGCACAGGAGGGTTGGAATAC 22
|||||
Db 172 CTGCACAGGAGGGTTGGAATAC 151

RESULT 8

AW361577/c
LOCUS AW361577 205 bp mRNA linear EST 04-FEB-2000
DEFINITION PM0-CT0263-151099-002-e10 CT0263 Homo sapiens cDNA, mRNA sequence.
ACCESSION AW361577
VERSION AW361577.1 GI:6866331
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 205)
HCGP <http://www.ludwig.org.br/ORESTES>.
The FAPESP/LICR Human Cancer Genome Project
Unpublished (1999)
Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP, Brazil
Tel: +55-11-2704922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br

REFERENCE

AUTHORS This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL
TITLE <http://www.ludwig.org.br/scripts/gethtml2.pl?tl=PM0&t2=PM0-CT0263-151099-002-e10&t3=1999-10-15&t4=1>
JOURNAL
COMMENT Seq primer: puc 18 forward
High quality sequence start: 8
High quality sequence stop: 84.
Location/Qualifiers
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/organism="Homo sapiens"
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/db_xref="taxon:9606"
/dev_stage="Adult"
/clone_lib="CT0263"
/note="Organ: colon; Vector: puc18; Site 1: SmaI; Site 2: SmaI; A mini-library was made by cloning products derived from ORESTES PCR (U.S. Letters Patent application No. 196,716 - Ludwig Institute for Cancer Research) profiles into the puc 18 vector. Reverse transcription of tissue mRNA and cDNA amplification were performed under low stringency conditions."

FEATURES

source
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Location/Qualifiers
/organism="Homo sapiens"
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/dev_stage="Adult"
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ORIGIN

Query Match 100.0%; Score 22; DB 1; Length 205;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGGTTGGAATAC 22
|||||
Db 123 CTGCACAGGAGGGTTGGAATAC 102

RESULT 9

AI907390
LOCUS AI907390 211 bp mRNA linear EST 30-MAR-2000
DEFINITION QV-BT141-180399-018 BT141 Homo sapiens cDNA, mRNA sequence.
ACCESSION AI907390
VERSION AI907390.1 GI:6497820
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens

Query Match

Best Local Similarity 100.0%; Score 22; DB 3; Length 199;

Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 211)
Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R.,
Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F.,
Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H.,
Brunstein,A., deoliveira,P.S., Bucher,P., Jongeneel,C.V.,
O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
Simpson,A.J.
Shotgun sequencing of the human transcriptome with ORF expressed
sequence tags

JOURNAL
PUBMED
COMMENT

10737800
Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)
Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
Brazil
Tel: +55-11-2704922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/seq/gethtml.pl?ti=QVt2-QV-BT141-018.html
&t3=180398&t4=1)
Seq primer: puc 18 forward.
Location/Qualifiers
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/db_xref="taxon:9606"
/sex="female"
/clone_lib="BT141"
/dev_stage="Adult"
/note="Organ: breast; Vector: puc18; Site 1: SmaI; Site 2:
SmaI; A mini-library was made by cloning products derived
from ORESTES PCR (U.S. Letters Patent application No.
196,716 - Ludwig Institute for Cancer Research) profiles
into the pUC 18 vector. Reverse transcription of tissue
mRNA and cDNA amplification were performed under low
stringency conditions."

FEATURES
source

ORIGIN

Query Match 100.0%; Score 22; DB 1; Length 211;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAAATAC 22
|||||
DB 61 CTGCACAGGAGGTTGGAAATAC 82

RESULT 10
BF827899
LOCUS BF827899 218 bp mRNA linear EST 13-JAN-2001
DEFINITION RCO-HN0024-061200-031-e10 HN0024 Homo sapiens cDNA, mRNA sequence.
ACCESSION BF827899
VERSION BF827899.1 GI:12172185
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 218)
Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R.,
Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F.,
Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H.,
Brunstein,A., deoliveira,P.S., Bucher,P., Jongeneel,C.V.,
O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
Simpson,A.J.
Shotgun sequencing of the human transcriptome with ORF expressed
sequence tags

REFERENCE
AUTHORS

1 (bases 1 to 211)
Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R.,
Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F.,
Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H.,
Brunstein,A., deoliveira,P.S., Bucher,P., Jongeneel,C.V.,
O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
Simpson,A.J.
Shotgun sequencing of the human transcriptome with ORF expressed
sequence tags

Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 211)
Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R.,
Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F.,
Goldman,G.H., Carvalho,A.F., Matsukuma,A., Baia,G.S., Simpson,D.H.,
Brunstein,A., deoliveira,P.S., Bucher,P., Jongeneel,C.V.,
O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
Simpson,A.J.
Shotgun sequencing of the human transcriptome with ORF expressed
sequence tags

Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)
Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
Brazil
Tel: +55-11-2704922
Fax: +55-11-2707001
Email: asimpson@ludwig.org.br
This sequence was derived from the FAPESP/LICR Human Cancer Genome
Project. This entry can be seen in the following URL
(http://www.ludwig.org.br/seq/gethtml.pl?ti=RC0&t2=RC0-HN0024-
061200-031-e10&t3=2000-12-06&t4=1)
Seq primer: puc 18 forward
High quality sequence start: 58
High quality sequence stop: 218.
Location/Qualifiers
1..218
/organism="Homo sapiens"
/mol_type="mRNA"
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/dev_stage="Adult"
/clone_lib="HN0024"
/note="Organ: head normal; Vector: puc18; Site 1: SmaI;
Site 2: SmaI; A mini-library was made by cloning products
derived from ORESTES PCR (U.S. Letters Patent application
No. 196,716 - Ludwig Institute for Cancer Research)
profiles into the pUC 18 vector. Reverse transcription of
tissue mRNA and cDNA amplification were performed under
low stringency conditions."

ORIGIN

Query Match 100.0%; Score 22; DB 2; Length 218;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAAATAC 22
|||||
DB 195 CTGCACAGGAGGTTGGAAATAC 216

RESULT 11
BQ048903/c
LOCUS BQ048903 229 bp mRNA linear EST 29-MAR-2002
DEFINITION AGENCOURT 6832553 NIH_MGC_92 Homo sapiens cDNA clone IMAGE:5789593
5', mRNA sequence.
ACCESSION BQ048903
VERSION BQ048903.1 GI:19808243
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.
1 (bases 1 to 229)
NIH-MGC http://mgs.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM12883 row: g column: 02
High quality sequence stop: 228.
Location/Qualifiers
1..229
/organism="Homo sapiens"

/mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:5789593"
 /tissue_type="embryonal carcinoma, cell line"
 /lab_host="DH10B (phage-resistant)"
 /clone_lib="NIH MGC 92"
 /note="Organ: testis; Vector: pCMV-SPORT6; Site 1: NotI;
 Site 2: SalI; Cloned unidirectionally; oligo-dT primed.
 Average insert size 2.5 Kb. Library enriched for
 full-length clones and constructed by Life technologies.
 Note: this is a NIH_MGC Library."

ORIGIN
 Query Match 100.0%; Score 22; DB 3; Length 229;
 Best Local Similarity 100.0%; Pred. No. 11;
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGGAATAC 22
 ||||||||||||||||||
 Db 71 CTGCACAGGAGGTTGGGAATAC 50

RESULT 12
 BM849989/c
 LOCUS 232 bp mRNA linear EST 06-MAR-2002
 DEFINITION K-EST0130517 S19N665307 Homo sapiens cDNA clone S19N665307-15-C01
 5', mRNA sequence.
 ACCESSION BM849989
 VERSION BM849989.1 GI:19206388
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominidae; Homo.
 1 (bases 1 to 232)
 Kim.N.S., Hahn,Y., Oh,J.H., Lee,J.Y., Ahn,H.Y., Chu,M.Y., Kim,M.R.,
 Oh,K.J., Cheong,J.E., Sohn,H.Y., Kim,J.M., Park,H.S., Kim,S. and
 Kim,Y.S.
 21C Frontier Korean EST Project 2001
 Unpublished (2002)
 Contact: Kim YS
 Genome Research Center
 Korea Research Institute of Bioscience & Biotechnology
 52 Soeun-dong Yusong-gu, Daejeon 305-333, South Korea
 Tel: +82-42-860-4470
 Fax: +82-42-860-4409
 Email: yongsung@mail.kribb.re.kr
 Plate: 15 row: C column: 01
 High quality sequence stop: 232.
 Location/Qualifiers
 1..232
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="S19N665307-15-C01"
 /sex="M"
 /lab_host="Top10F"
 /clone_lib="S19N665307"
 /note="Organ: Stomach; Vector: pCNS; Site 1: EcoRI;
 Site 2: NotI; The poly (A) + RNA was dephosphorylated with
 bacterial alkaline phosphatase (BAP) and then decapped
 with tobacco acid pyrophosphatase (TAP). The decapped
 intact mRNA was ligated with DNA-RNA linker including EcoR
 I site by treatment of T4 RNA ligase and the first strand
 cDNA was synthesized from oligo dT-selected mRNA by
 priming with dT-tailed vector. The dT-tailed vector was
 adjusted to have about 60nt. The cDNA vector was
 circularized with E. coli DNA ligase after digestion of
 EcoRI which site is also included in vector. An RNA strand
 converted to a DNA strand by Okayama-Berg method. The
 obtained cDNA vectors were used for transformation of
 competent cells E. coli Top10F⁺ by electroporation method.

FEATURES
 source
 1..232
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="S19N665307-15-C01"
 /sex="M"
 /lab_host="Top10F"
 /clone_lib="S19N665307"
 /note="Organ: Stomach; Vector: pCNS; Site 1: EcoRI;
 Site 2: NotI; The poly (A) + RNA was dephosphorylated with
 bacterial alkaline phosphatase (BAP) and then decapped
 with tobacco acid pyrophosphatase (TAP). The decapped
 intact mRNA was ligated with DNA-RNA linker including EcoR
 I site by treatment of T4 RNA ligase and the first strand
 cDNA was synthesized from oligo dT-selected mRNA by
 priming with dT-tailed vector. The dT-tailed vector was
 adjusted to have about 60nt. The cDNA vector was
 circularized with E. coli DNA ligase after digestion of
 EcoRI which site is also included in vector. An RNA strand
 converted to a DNA strand by Okayama-Berg method. The
 obtained cDNA vectors were used for transformation of
 competent cells E. coli Top10F⁺ by electroporation method.

ORIGIN
 Query Match 100.0%; Score 22; DB 1; Length 239;
 Best Local Similarity 100.0%; Pred. No. 11;
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGGAATAC 22
 ||||||||||||||||||
 Db 63 CTGCACAGGAGGTTGGGAATAC 42

ORIGIN
 Query Match 100.0%; Score 22; DB 3; Length 232;
 Best Local Similarity 100.0%; Pred. No. 11;
 Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGGAATAC 22
 ||||||||||||||||||
 Db 172 CTGCACAGGAGGTTGGGAATAC 151

RESULT 13
 AI905842/c
 LOCUS 239 bp mRNA linear EST 30-MAR-2000
 DEFINITION IL-BT100-301298-008 BT100 Homo sapiens cDNA, mRNA sequence.
 ACCESSION AI905842
 VERSION AI905842.1 GI:6496229
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
 Hominidae; Homo.
 1 (bases 1 to 239)
 Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R.,
 Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F.,
 Goldman,G.H., Carvalho,A.F., Matsukuma,A., Bala,G.S., Simpson,D.H.,
 Brunstein,A., deOliveira,P.S., Bucher,P., Jongeneel,C.V.,
 O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
 Simpson,A.J.
 Shotgun sequencing of the human transcriptome with ORF expressed
 sequence tags
 Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)
 10737800
 Contact: Simpson A.J.G.
 Laboratory of Cancer Genetics
 Ludwig Institute for Cancer Research
 Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
 Brazil
 Tel: +55-11-2704922
 Fax: +55-11-2707001
 Email: asimpson@ludwig.org.br
 This sequence was derived from the FAPESP/LICR Human Cancer Genome
 Project, this entry can be seen in the following URL
 (http://www.ludwig.org.br/seq/gethtml.pl?tl=il&t2=il-BT100-008.html
 &t3=301298&t4=1)
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 Location/Qualifiers
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 /db_xref="taxon:9606"
 /sex="female"
 /dev_stage="Adult"
 /clone_lib="BT100"
 /note="Organ: breast; Vector: puc18; Site 1: SmaI; Site 2:
 SmaI; A mini-library was made by cloning products derived
 from ORESTES PCR (U.S. Letters Patent application No.
 196,716 - Ludwig Institute for Cancer Research) profiles
 into the pUC 18 vector. Reverse transcription of tissue
 mRNA and cDNA amplification were performed under low
 stringency conditions."

```

RESULT 14
LOCUS      AW059746
DEFINITION LE3a11-V9 DNC15 Homo sapiens cDNA similar to Y BOX BINDING
ACCESSION  AW059746
VERSION    AW059746.1 GI:6652068
KEYWORDS   EST.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Homnidae; Homo.
REFERENCE  1 (bases 1 to 264)
AUTHORS   Brenner,S., Williams,S.R., Vermaas,E.H., Storck,T., Moon,K.,
            McCollum,C., Mao,J.I., Kirchner,J.J., Eletr,S., DuBridge,R.B.,
            Burcham,T. and Albrecht,G.
TITLE     In vitro cloning of complex mixtures of DNA on microbeads: Physical
            separation of differentially expressed cDNAs
JOURNAL   Proc. Natl. Acad. Sci. U.S.A. 97 (4), 1665-1670 (2000)
PUBMED   10677516
COMMENT   Contact: Burcham TS
            LYNX Therapeutics, Inc.
            25861 Industrial Blvd., Hayward, CA 94545, USA
            Tel: 510 670 9338
            Fax: 510 670 9302
            Email: timb@lynxgen.com
            Sequence obtained from LYNX Therapeutics Megasort technology.
            Collected from the down-regulated gate.
            High quality sequence stop: 264.
            Location/Qualifiers
FEATURES   source
            1..264
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             /mol_type="mRNA"
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             /cell_lines="THP-1 (TIB-202)"
             /clone_lib="DNC15"
             /note="Vector: pCR2.1; Cloning of PCR products from
             micro-beads carrying 3' end of down-regulated cDNA. THP-1
             cells non-induced (treated with DMSO only)."
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ORIGIN

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Query Match      100.0%; Score 22; DB 1; Length 264;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```

Qy 1 CTGCACAGGAGGGTTGGAATAC 22
    |||||
Db 140 CTGCACAGGAGGGTTGGAATAC 161
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RESULT 15

```

BG990119/c
LOCUS      MR3-HT1104
DEFINITION MR3-HT1104-230101-002-e01 HT1104 Homo sapiens cDNA, mRNA sequence.
ACCESSION  BG990119
VERSION    BG990119.1 GI:14394189
KEYWORDS   EST.
SOURCE     Homo sapiens (human)
ORGANISM   Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
            Homnidae; Homo.
REFERENCE  1 (bases 1 to 270)
AUTHORS   Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R.,
            Nagai,M.A., da Silva,W. Jr., Zago,M.A., Bordin,S., Costa,F.F.,
            Goldman,G.H., Carvalho,A.F., Mateukuma,A., Baia,G.S., Simpson,D.H.,
            Brunstein,A., deoliveira,P.S., Bucher,P., Jongeneel,C.V.,
            O'Hare,M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
            Simpson,A.J.
```

TITLE

```

JOURNAL   PUBMED
COMMENT
```

Shotgun sequencing of the human transcriptome with ORF expressed sequence tags
Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)
10737800

Contact: Simpson A.J.G.
Laboratory of Cancer Genetics
Ludwig Institute for Cancer Research
Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
Brazil

Tel: +55-11-2704922

Fax: +55-11-2707001

Email: asimpson@ludwig.org.br

This sequence was derived from the FAPESP/LICR Human Cancer Genome Project. This entry can be seen in the following URL
(<http://www.ludwig.org.br/scripts/gethtml2.pl?l=MR3&t2=MR3-HT1104-230101-002-e01&t3=2001-01-23&t4=1>)

Seq primer: puc 18 forward

High quality sequence stop: 270.

FEATURES

source

1..270

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/dev_stage="Adult"

/clone_lib="HT1104"

/note="Organ: head neck; Vector: puc18; Site 1: SmaI;

Site 2: SmaI; A mini-library was made by cloning products

derived from ORESTES PCR (U.S. Letters Patent application

No. 196,716 - Ludwig Institute for Cancer Research)

profiles into the pUC 18 vector. Reverse transcription of

tissue mRNA and cDNA amplification were performed under

low stringency conditions."

ORIGIN

Query Match 100.0%; Score 22; DB 2; Length 270;

Best Local Similarity 100.0%; Pred. No. 11;

Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 CTGCACAGGAGGGTTGGAATAC 22
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Db 197 CTGCACAGGAGGGTTGGAATAC 176
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Search completed: January 8, 2006, 18:38:36

Job time : 2522 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2006 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 8, 2006, 16:24:54 ; Search time 306 Seconds
(without alignments)
479.161 Million cell updates

Title: US-10-028-415-20

Perfect score: 22
Sequence: 1 ctgcacaggagggttggatac 22

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4996997 seqs. 3332346308 residues

Total number of hits satisfying chosen parameters: 99939994

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 s

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1: geneseqn1980s.*
2: geneseqn1990s.*
3: geneseqn2000s.*
4: geneseqn2001as.*
5: geneseqn2001bs.*
6: geneseqn2002as.*
7: geneseqn2002bs.*
8: geneseqn2003as.*
9: geneseqn2003bs.*
10: geneseqn2003cs.*
11: geneseqn2003ds.*
12: geneseqn2004as.*
13: geneseqn2004bs.*
14: geneseqn2005a.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query		Length	DB	ID	Description
		Match					
1	22	100.0	22	6	ABK89718	Abk89718	Human YB-
2	22	100.0	152	10	ACD37151	AcD37151	Human Col
C 3	22	100.0	250	6	AAI68908	Aai68908	Activated
4	22	100.0	314	12	ACH84678	Ach84678	Human gen
C 5	22	100.0	364	10	ACD92102	AcD92102	Human col
6	22	100.0	400	2	AAV87523	Avv87523	EST clone
7	22	100.0	451	6	ABQ60291	Abq60291	Human Col
C 8	22	100.0	478	9	ACH49466	Ach49466	Human leu
C 9	22	100.0	523	14	ACL62195	AcL62195	Human col
C 10	22	100.0	545	13	ADU12962	Adu12962	Solid tum
C 11	22	100.0	557	13	ACN38892	AcN38892	Tumour-as
C 12	22	100.0	560	6	ABQ57856	Abq57856	Human col
C 13	22	100.0	595	12	ACH70978	Ach70978	Human gen
C 14	22	100.0	781	13	ACN39715	Acn39715	Tumour-as
C 15	22	100.0	822	6	AA62159	Aa62159	Porcine m
C 16	22	100.0	954	6	ABK50501	Abk50501	DNA encod
C 17	22	100.0	1353	13	ACN39713	Acn39713	Tumour-as
C 18	22	100.0	1363	12	ADQ84349	Adq84349	Human tum
C 19	22	100.0	1363	13	ACN37358	Acn37358	Tumour-as

C	20	22	100.0	1473	12	ADQ85063	Adq85063	Human	tum
C	21	22	100.0	1473	13	ADQ87408	Adq87408	Human	tum
C	22	22	100.0	1473	13	ACN38891	Acn38891	Tumour-as	
C	23	22	100.0	1474	6	ABK84103	Abk84103	Human	CDN
C	24	22	100.0	1474	10	ADQ89384	Adq89384	Cancer	de
C	25	22	100.0	1474	13	ADR25196	Adr25196	Breast	ca
C	26	22	100.0	1474	13	ADP54732	Adp54732	Human	PRO
C	27	22	100.0	1474	14	ADX97719	Adx97719	Human	nuc
C	28	22	100.0	1474	14	ADX05879	Adx05879	Cyclin-de	
C	29	22	100.0	1474	14	ADY15979	Ady15979	DNA	encod
C	30	22	100.0	1481	4	AAC81319	Aac81319	Human	Y-b
C	31	22	100.0	1481	6	ABS45998	AbS45998	Human	YB-
C	32	22	100.0	1481	6	ABN95602	Abn95602	Gene	#210
C	33	22	100.0	1481	10	ABZ99616	Abz99616	Human	Y-b
C	34	22	100.0	1516	8	AAD55839	Aad55839	Human	nuc
C	35	22	100.0	1520	10	ADB47382	Adb47382	Human	CDN
C	36	22	100.0	1548	2	AAZ77507	Aaz77507	Human	ova
C	37	22	100.0	1554	14	ADZ49037	Adz49037	Inguilin	s
C	38	22	100.0	1978	8	AAL51561	Aal51561	Human	nuc
C	39	22	100.0	3073	2	AAQ14635	Aaq14635	Clone	ass
C	40	22	100.0	3073	2	AAT34371	Aat34371	Plasmid	p
C	41	22	100.0	3073	2	AAZ32246	Aaz32246	Human	gli
C	42	22	100.0	3073	3	AAH88181	Aah88181	PAIG29	hu
C	43	20.4	92.7	448	8	ABX45462	Abx45462	Bovine	ES
C	44	20.4	92.7	1404	13	ACN38702	Acn38702	Tumour-as	
C	45	20.4	92.7	1522	13	ACN40311	Acn40311	Tumour-as	

ALIGNMENTS

RESULT 1

ABK88718

ID ABK88718 standard; DNA; 22 BP.

AC ABK88718;

DT 07-OCT-2002 (first entry)

Human YB-1 anti-sense strand, phosphorothioate oligonucleotide #2.

Human; apoptotic cell death; proteinaceous transcription factor;
regulation of gene transcription; apoptosis; p53; CD95; TRA;
transcriptional regulator of apoptosis; Y-box family; YB-1; cancer;
tumour cell; embryonic cell; nervous system; intracellular pathogen;
DNA-damaging agent; retroviral infection; neurodegenerative disorder;
immune system dysfunction; anti-tumour; cytostatic; phosphorothioate; ss.
Homo sapiens.
OS

Key	Location/Qualifiers
FH	

ref	modified base	1. .22
ET		

FT — /*tag= a

FT /mod_base= OTHER

FT /note= "Phosphorothioate internucleotide linkages"

PN WO20024363-A1.

PD 06-JUN-2002.

PF 28-NOV-2001; 2001WO-NZ000287.

PR 28-NOV-2000; 2000US-00724809.

PA (GENE-) GENESIS RES & DEV CORP LTD.

PT Tasham A. Watson JD:

WPT. 2002-557540/59

Modulating p53-mediated apoptotic cell death in a population of cells, by PT
PT modulating the amount of a transcriptional regulator of apoptosis
PT
PT available to bind to a target polynucleotide in the cells.

```

XX PS Example 2; Page 56; 62pp; English.
XX CC The present invention relates to methods for modulating apoptotic cell
XX CC death using proteinaceous transcription factors that regulate the
XX CC transcription of genes encoding proteins involved in apoptosis (e.g. CD95
XX CC and p53). The methods involve modulating the amount of a transcriptional
XX CC regulator of apoptosis (TRA) available to bind to a target polynucleotide
XX CC in the cells, where TRA is a member of the Y-box nucleic acid binding
XX CC family of polypeptides (e.g. YB-1). The methods of the invention are
XX CC useful for modulating apoptotic cell death in a population of cells,
XX CC where the cells are selected from tumour cells, cells of the immune
XX CC system, embryonic cells, cells of the nervous system, or cells infected
XX CC with intracellular pathogens. The methods are also useful for increasing
XX CC the sensitivity of tumour cells to a DNA-damaging agent, and for
XX CC increasing sensitivity to apoptosis in a population of cells harbouring
XX CC intracellular pathogens. The methods are useful for screening an
XX CC apoptosis modulatory agent that modulates the binding of TRA. The methods
XX CC for regulating apoptosis can be used therapeutically and prophylactically
XX CC for various disorders such as cancer, viral and retroviral infections,
XX CC neurodegenerative disorders, and immune system dysfunction. The present
XX CC sequence represents a phosphorothioate oligonucleotide to the anti-sense
XX CC strand of human YB-1
XX CC Sequence 22 BP; 6 A; 4 C; 8 G; 4 T; 0 U; 0 Other;
XX CC
XX CC Query Match 100.0%; Score 22; DB 6; Length 22;
XX CC Best Local Similarity 100.0%; Pred. No. 0.54;
XX CC Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX CC
XX CC QY 1 CTGCACAGGAGGTTTGGATAC 22
XX CC |||||||||||||||||||
XX CC Db 1 CTGCACAGGAGGTTTGGATAC 22
XX CC
XX CC RESULT 2
XX CC ACD97151
XX CC ID ACD97151 standard; cDNA; 152 BP.
XX CC AC ACD97151;
XX CC DT 23-SEP-2003 (first entry)
XX CC DE Human colon cancer cell expressed cDNA #5563.
XX CC
XX CC Open reading frame detection; genome sequencing; colon cancer;
XX CC breast cancer; population genome analysis; genetic shift; cancer;
XX CC antibiotic resistance; antibiotic non-tolerance; congenital disease;
XX CC agriculture; food crop genome; resistance gene; retrovirus;
XX CC influenza virus; eukaryotic pathogen detection; trypanosome; Plasmodium;
XX CC Gene; ss.
XX CC
XX CC OS Homo sapiens.
XX CC PN US2002155438-A1.
XX CC PD 24-OCT-2002.
XX CC
XX CC PF 27-SEP-1999; 99US-00406117.
XX CC PR 20-NOV-1998; 98US-00196716.
XX CC
XX CC (SIMP/) SIMPSON A J G.
XX CC PA (NETO/) NETO E D.
XX CC PA (BREN/) BRENTANI R R.
XX CC
XX CC PI Simpson AJG, Neto ED, Brentani RR;
XX CC WPI; 2003-182626/19.
XX CC
XX CC Determining open reading frames of genome of an organism e.g. a human
XX CC PT suffering from cancer involves use of single oligonucleotide primer at
XX CC PT low stringency for preparing single-stranded cDNA from mRNA of

```

```

PT individual.
XX Example 9; Page 794; 959pp; English.
XX CC The invention describes a method of determining open reading frames in
XX CC the genome of organism, comprising contacting mRNA from cell of organism
XX CC with a single oligonucleotide primer (I) at low stringency, preparing
XX CC single-stranded cDNA by reverse transcribing mRNA with (I), amplifying
XX CC cDNA, sequencing the product, and repeating the contacting, preparing
XX CC and amplifying steps with different primers and sequencing resulting
XX CC nucleic acids. The method is useful for: determining that a known
XX CC nucleotide sequence of an open reading frame; for preparing a contig,
XX CC nucleic acid molecule from a genome of an organism; and for sequencing
XX CC all or part of a genome of an organism. mRNA is obtained from mammalian
XX CC or human cell which is associated with a pathological condition e.g. a
XX CC colon cancer or breast cancer cell. The method is useful for analyses of
XX CC populations of subjects and can be used to carry out genetic analyses of
XX CC large or small populations. further, it can be used to study living
XX CC systems to determine if, e.g. there have been genetic shifts which render
XX CC an individual or population more or less likely to be afflicted with
XX CC diseases such as cancer, to determine antibiotic resistance or non-
XX CC tolerance, and so forth. The method can also be used in the study of
XX CC the study of whether the conditions are likely to be passed to offspring
XX CC through ova or sperm. The analyses for pathological conditions can be
XX CC carried out in all animals, plants, birds, fish, etc. Using this method,
XX CC in the area of agriculture, for example the genomes of food crops can be
XX CC studied to determine if resistance genes are present, defects in plant
XX CC genomes can also be studied in this way. Similarly, the method permits
XX CC determination of the pathogens which integrate into the genome, such as
XX CC retroviruses and other integrating viruses such as influenza virus, have
XX CC undergone shifts or mutations, which may require different approaches to
XX CC therapy. This method is also applied to eukaryotic pathogens, such as
XX CC trypanosomes, different types of Plasmodium, etc. The method essentially
XX CC eliminates sequencing of non-coding portions. This sequence represents a
XX CC polynucleotide isolated from human colon cancer cell cDNA library
XX CC
XX CC Sequence 152 BP; 27 A; 49 C; 34 G; 41 T; 0 U; 1 Other;
XX CC
XX CC Query Match 100.0%; Score 22; DB 10; Length 152;
XX CC Best Local Similarity 100.0%; Pred. No. 0.67;
XX CC Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
XX CC
XX CC QY 1 CTGCACAGGAGGTTTGGATAC 22
XX CC |||||||||||||||||||
XX CC Db 87 CTGCACAGGAGGTTTGGATAC 108
XX CC
XX CC RESULT 3
XX CC AAI68908/c
XX CC ID AAI68908 standard; DNA; 250 BP.
XX CC AC AAI68908;
XX CC DT 29-JAN-2002 (first entry)
XX CC DE Activated T-cell derived DNA fragment #44.
XX CC
XX CC Activated T-cell; immunosuppressive; immunostimulant; antiinflammatory;
XX CC cytostatic; gene therapy; vaccine; allergen; transplant rejection;
XX CC guest versus host disease; malignant disease; ds.
XX CC
XX CC OS Homo sapiens.
XX CC PN DE10021834-A1.
XX CC PD 15-NOV-2001.
XX CC
XX CC PF 06-MAY-2000; 2000DE-01021834.
XX CC PR 06-MAY-2000; 2000DE-01021834.
XX CC

```

PA (LYNX-) LYNX THERAPEUTICS GMBH.
XX Kramer MD, Winter H, Reinartz J;
XX WPI; 2002-027320/04.
XX New mRNA indicative of T cell activation and functional status, useful
PT for diagnosis and therapy e.g. of autoimmunity or transplant rejection.
XX
XX Claim 1; Page 20; 94pp; German.
XX
XX This sequence represents a novel messenger RNA, (mRNA), (I), for use as
CC indicator of the activation and functional status of T cells, that have
CC increased or reduced expression, and are present at higher or lower
CC concentration, in activated T cells, relative to normal or resting cells,
CC where (I) hybridizes to any of 334 sequences, reproduced, or their
CC derivatives, complements or fragments. The products of the invention have
CC immunosuppressive, immunostimulant, antiinflammatory and cytostatic
CC activity and can be used for gene therapy. The polynucleotides of the
CC invention are used: (i) as reagent for detecting activation/functional
CC status of T cells, for diagnosis, therapy, modulation or control of the
CC status, in cases of (auto)immunity (against microorganisms, vaccines or
CC allergens); transplant rejection; immunologically-related inflammation;
CC immunosuppression; immune deficiency; guest versus host disease, and
CC malignant diseases of the immune system; (ii) for identifying agents,
CC potential pharmaceuticals, that bind to (II) or derived polypeptides
CC (III); (iii) to prepare kits for measuring gene expression profiles in
CC isolated immune, especially T, cells; (iv) to raise antibodies (Ab)
CC directed against (III); and (v) to prepare binding molecules (IV)
CC specific for (II). Ab and (IV) are also useful for detecting and
CC modulating the activation and functional status of T cells. AA16865-
CC AA169198 represent the activated T-cell derived polynucleotide fragments
XX described in the method of the invention
XX
SQ Sequence 250 BP; 65 A; 71 C; 77 G; 37 T; 0 U; 0 Other;

Query Match 100.0%; Score 22; DB 6; Length 250;
Best Local Similarity 100.0%; Pred. No. 0.71;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGTTGGATAC 22
Db 125 CTGCACAGGAGGTTGGATAC 104

RESULT 4
ACH84678
ID ACH84678 standard; DNA; 314 BP.
XX
XX ACH84678;
XX
XX 29-JUL-2004 (first entry)
XX
XX Human genome derived single exon probe #17873.
XX
XX Human; probe; ss; gene expression; single exon probe; microarray;
KW alternative splicing event; genomic alteration.
XX
XX Homo sapiens.
OS
XX US2003194704-A1.
PN
XX 16-OCT-2003.
PD
XX 03-APR-2002; 2002US-00029386.
PF
XX 03-APR-2002; 2002US-00029386.
PR
XX (PENN/) PENN S G.
PA (RANK/) RANK D R.
PA (HANK/) HANZEL D K.
XX
XX Penn SG, Rank DR, Hanzel DK;

XX WPI; 2004-119264/12.
XX
XX New human genome-derived single exon nucleic acid probes useful for human
PT gene expression analysis, for identifying or characterizing alternative
PT splicing events, for assessing genomic alterations or as tools for
PT surveying tissues.
XX
XX Claim 1; SEQ ID NO 17873; 80pp; English.
XX
XX The invention relates to a nucleic acid probe for measuring human gene
CC expression, comprising any of the 27,400 fully defined nucleotide
CC sequences in the specification, or their complements or fragments, and
CC encoding at least 8 amino acids of any of the 6888 amino acid sequences
CC fully defined in the specification. The probe is a single exon probe that
CC hybridises under high stringency conditions to a nucleic acid molecule
CC expressed in human cells or tissues. Also included are a spatially-
CC addressable set of single exon nucleic acid probes for measuring human
CC gene expression (comprising a plurality of single exon nucleic acid
CC probes cited above, where each of the plurality of probes is separately
CC and addressably isolatable or amplifiable from the plurality), a single
CC exon microarray for measuring human gene expression, a method of
CC measuring human gene expression, a vector comprising the single exon
CC probe cited above, an ORF-encoded peptide comprising at least 8
CC contiguous amino acids of any of the above-mentioned amino acid
CC sequences (optionally with conservative amino acid substitutions), an
CC isolated antibody that binds specifically to a peptide cited above,
CC methods of selling and/or licensing single exon probes or microarrays to
CC a customer desiring to measure gene expression, a method of providing
CC human gene expression data by subscription, and a computer-readable
CC storage medium which contains a database having a plurality of records
CC (each record including data on the expression of a single exon probe
CC cited above. The probe, methods and apparatus are useful in gene
CC expression analysis. The probes may be used as tools for surveying
CC tissues to detect the presence of expressed messages that contain their
CC specific exon, or in constructing genome-derived single exon microarrays.
CC In addition, the probes are used in identifying and characterising
CC alternative splicing events, in detecting and characterising gross
CC alterations in the genomic locus that includes their exon, in assessing
CC smaller genomic alterations, in priming the synthesis of nucleic acids,
CC or in expressing the ORF-encoded peptide. The present sequence is a human
CC single exon probe of the invention. Note: The sequence data for this
CC patent did not form part of the printed specification, but was obtained
CC in electronic format directly from USPTO at
XX seqdata.uspto.gov/sequence.html?DocID=20030194704
XX
SQ Sequence 314 BP; 58 A; 83 C; 83 G; 90 T; 0 U; 0 Other;

Query Match 100.0%; Score 22; DB 12; Length 314;
Best Local Similarity 100.0%; Pred. No. 0.73;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGTTGGATAC 22
Db 43 CTGCACAGGAGGTTGGATAC 64

RESULT 5
ACD92102/c
ID ACD92102 standard; cDNA; 364 BP.
XX
XX ACD92102;
XX
XX 23-SEP-2003 (first entry)
XX
XX Human colon cancer cell expressed cDNA #514.
XX
XX Open reading frame detection; genome sequencing; colon cancer;
KW breast cancer; population genome analysis; genetic shift; cancer;
KW antibiotic resistance; antibiotic non-tolerance; congenital disease;
KW agriculture; food crop genome; resistance gene; retrovirus;
KW influenza virus; eukaryotic pathogen detection; trypanosome; Plasmodium;
KW gene; ss.

```
XX Homo sapiens.
OS
XX
XX US2002155438-A1.
PN
XX
XX 24-OCT-2002.
PD
XX
XX 27-SEP-1999; 99US-00406117.
PF
XX
XX 20-NOV-1998; 98US-00196716.
PR
XX
XX (SIMP/) SIMPSON A J G.
PA
XX (NETO/) NETO E D.
PA
XX (BRENTANI) BRENTANI R R.
XX
XX Simpson AJG, Neto ED, Brentani RR;
PI
XX WPI; 2003-182626/18.
DR
XX
XX Determining open reading frames of genome of an organism e.g. a human
PT suffering from cancer involves use of single oligonucleotide primer at
PT low stringency for preparing single-stranded cDNA from mRNA of
PT individual.
XX
XX Example 9; Page 76; 959pp; English.
PS
XX
XX The invention describes a method of determining open reading frames in
CC the genome of organism, comprising contacting mRNA from cell of organism
CC with a single oligonucleotide primer (I) at low stringency, preparing
CC single-stranded cDNA by reverse transcribing mRNA with (I), amplifying
CC cDNA , sequencing the product, and repeating the contacting, preparing
CC and amplifying steps with different primers and sequencing resulting
CC nucleic acids. The method is useful for: determining that a known
CC nucleotide sequence from a genome of an organism corresponds to a
CC nucleotide sequence of an open reading frame; for preparing a contig,
CC nucleic acid molecule from a genome of an organism; and for sequencing
CC all or part of a genome of an organism. mRNA is obtained from mammalian
CC or human cell which is associated with a pathological condition e.g. a
CC colon cancer or breast cancer cell. The method is useful for analyses of
CC populations of subjects and can be used to carry out genetic analyses of
CC large or small populations. further, it can be used to study living
CC systems to determine if, e.g. there have been genetic shifts which render
CC an individual or population more or less likely to be afflicted with
CC diseases such as cancer, to determine antibiotic resistance or non-
CC tolerance, and so forth. The method can also be used in the study of
CC congenital diseases, and the risk of affliction to a foetus, as well as
CC the study of whether the conditions are likely to be passed to offspring
CC through ova or sperm. The analyses for pathological conditions can be
CC carried out in all animals, plants, birds, fish, etc. Using this method,
CC in the area of agriculture, for example the genomes of food crops can be
CC studied to determine if resistance genes are present, defects in plant
CC genomes can also be studied in this way. Similarly, the method permits
CC determination of the pathogens which integrate into the genome, such as
CC retroviruses and other integrating viruses such as influenza virus, have
CC undergone shifts or mutations, which may require different approaches to
CC therapy. This method is also applied to eukaryotic pathogens, such as
CC trypanosomes, different types of Plasmodium, etc. The method essentially
CC eliminates sequencing of non-coding portions. This sequence represents a
CC polynucleotide isolated from human colon cancer cell cDNA library
XX
XX Sequence 364 BP; 113 A; 105 C; 99 G; 47 T; 0 U; 0 Other;
```

```
Query Match 100.0%; Score 22; DB 10; Length 364;
Best Local Similarity 100.0%; Pred. No. 0.74;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 CTGCACAGGAGGGTTGGAATAC 22
DB 105 CTGCACAGGAGGGTTGGAATAC 84
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RESULT 6
AAV87523
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```
ID AAV87523 standard; cDNA; 400 BP.
XX
XX AAV87523;
AC
XX 12-FEB-1999 (first entry)
DT
XX EST clone BK8.
DE
XX Expressed sequence tag; secreted protein; haematopoiesis regulator;
KW tissue growth; activin; inhibin; tumour invasion suppressor; EST; human;
KW chemotaxis; chemokinesis; haemostasis; gene therapy; thrombolysis;
KW receptor; ligand; anti-inflammatory; tumour inhibitor; ds.
XX
XX Homo sapiens.
OS
XX WO9845437-A2.
PN
XX 15-CCT-1998.
PD
XX
XX 10-APR-1998; 98WO-US006956.
PF
XX
XX 10-APR-1997; 97US-00837312.
PR
XX
XX (GENY ) GENETICS INST INC.
PA
XX Jaccbs K, McCoy JM, Lavallie ER, Racie LA, Merberg D, Treacy M;
PI Spaulding V, Agostino MJ;
XX
XX WPI; 1999-070078/06.
DR
XX New polynucleotides encoding human secreted proteins - derived from e.g.
PT human blood, kidney, foetal lung, placenta, testes, brain, ovary,
PT pituitary, retina and colon cDNA libraries.
PT
XX Claim 1; Page 92-93; 641pp; English.
PS
XX The present sequence represents an expressed sequence tag (EST), and is a
CC polynucleotide of the invention. The polynucleotides of the invention are
CC all secreted EST sequences isolated from a variety of human tissue
CC sources. The EST sequences and proteins encoded by them are predicted to
CC have useful biological activities which would make them suitable for
CC treating, preventing or ameliorating medical conditions in humans and
CC animals, although no supporting data is given. Suggested activities
CC include nutritional activity, immune stimulating or suppressing activity,
CC haematopoiesis regulating activity, tissue growth activity,
CC activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic
CC and thrombolytic activity, receptor/ligand activity, anti-inflammatory
CC activity, cadherin/tumour invasion suppressor activity, tumour inhibition
CC activity. The EST sequences are also stated to be useful for gene therapy
XX
XX Sequence 400 BP; 60 A; 112 C; 107 G; 121 T; 0 U; 0 Other;
```

```
Query Match 100.0%; Score 22; DB 2; Length 400;
Best Local Similarity 100.0%; Pred. No. 0.75;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
QY 1 CTGCACAGGAGGGTTGGAATAC 22
DB 200 CTGCACAGGAGGGTTGGAATAC 221
```

```
RESULT 7
```

```
ABQ60291
ID ABQ60291 standard; cDNA; 451 BP.
```

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XX
AC ABQ60291;
```

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XX
DT 02-AUG-2002 (first entry)
```

```
DE Human colon cancer related nucleotide sequence SEQ ID NO:3986.
```

```
XX Human; colon cancer; cancer; tissue profiling; forensic; mapping;
KW genetic analysis; diagnostic; antisense therapy; gene; ss.
```



```
XX OS Homo sapiens.
XX PA WO200229086-A2.
XX PN 11-APR-2002.
XX PD 02-OCT-2001; 2001WO-US030732.
XX PF 02-OCT-2000; 2000US-0237271P.
XX PR (FARB ) BAYER CORP.
XX PA Burgess C, Aestle JH, Carroll E, Catino TU, Dwivedi P, Molino GA;
PI Thiaglingam A, Lewis ME;
XX WI; 2002-426115/45.
XX DR New isolated nucleic acid that is differentially expressed in cancer
XX PT tissues useful for determining the presence of colon cancer in a cell or
XX PT tissue type, and in antisense therapy.
XX PS Claim 1; Fig 1; 796pp; English.
XX CC ABQ56306 to ABQ60787 represent isolated nucleic acids (I) differentially
XX CC expressed in cancer tissues. ABQ78993 to ABQ79004 represent proteins
XX CC encoded by the ABQ60776 to ABQ60787 nucleic acid sequences. (I) can be
XX CC used in antisense therapy. An antibody immunoreactive with a polypeptide
XX CC encoded by (I) is useful for detecting cancer in a patient sample, and
XX CC for detecting the presence or absence of a polynucleotide encoded by a
XX CC nucleic acid which hybridises to (I) in a cell. A probe/primer derived
XX CC from (I) can be used for determining the presence of a nucleic acid which
XX CC hybridises to (I), and for determining the phenotype of cells in a sample
XX CC of cells from a patient. (I) is useful for determining the presence of
XX CC colon cancer in a cell or tissue type, for determining the presence or
XX CC state of other type of cancer, in antisense therapy, to generate
XX CC macroarrays on a solid surface, to identify a chromosome on which the
XX CC corresponding gene resides, and in tissue profiling, forensics, genetic
XX CC analysis, mapping and diagnostic applications. (I) can be used to raise
XX CC antibodies, and to screen for peptide analogues and antagonists
XX SQ Sequence 451 BP; 68 A; 129 C; 115 G; 137 T; 0 U; 2 Other;

Query Match 100.0%; Score 22; DB 6; Length 451;
Best Local Similarity 100.0%; Pred. No. 0.76;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
DB 200 CTGCACAGGAGGTTGGAATAC 221

RESULT 8
ACH49466/c
ID ACH49466 standard; cDNA; 478 BP.
XX AC ACH49466;
XX AC 13-OCT-2003 (first entry)
DT 13-OCT-2003 (first entry)
DE Human leukocyte cDNA #1060.
XX KW Human; ss; sequencing by hybridisation; SBH; expressed sequence tag; EST;
XX KW genome mapping; biodiversity; genetic disorder.
XX OS Homo sapiens.
XX PN US2003073623-A1.
XX PD 17-APR-2003.
XX PF 30-JUL-2001; 2001US-00918995.
XX PA (CHIR ) CHIRON CORP.
```

```
PR 30-JUL-2001; 2001US-00918995.
XX (DRMA/) DRMANAC R T.
XX PA (LABA/) LABAT I.
XX PA (STAC/) STACHE-CRAIN B.
XX PA (DICK/) DICKSON M C.
XX PA (JONE/) JONES L W.
XX PI Drmanac RT, Labat I, Stache-Crain B, Dickson MC, Jones LW;
XX WI; 2003-615964/58.
XX DR New polynucleotide sequences obtained from various cDNA libraries, useful
XX PT as hybridization probes, as oligomers for PCR, for chromosome and gene
XX PT mapping, in the recombinant production of protein, or in generating
XX PT antisense DNA or RNA.
XX PS Claim 1; SEQ ID NO 36678; 44pp; English.
XX CC The invention relates to an isolated polynucleotide comprising any one of
XX CC 38043 cDNA sequences, appearing as ACH12789-ACH50831, whose sequence was
XX CC determined by the technique of SBH (sequencing by hybridisation). Also
XX CC included is a purified polypeptide comprising a sequence corresponding to
XX CC a reading frame of the novel polynucleotide. The nucleic acid sequences
XX CC are useful in diagnostics as expressed sequence tags (EST) for
XX CC identifying expressed genes or for physical mapping of the human genome,
XX CC in forensics, in assessing biodiversity, or in identifying mutations
XX CC responsible for genetic disorders and other traits. The nucleotide
XX CC sequences are also useful as hybridisation probes, as oligomers for PCR,
XX CC for chromosome and gene mapping, in the recombinant production of
XX CC protein, or in generating antisense DNA or RNA. The purified polypeptide
XX CC is useful for generating antibodies specific for it. The present sequence
XX CC is one of the 38043 isolated cDNA/EST sequences. Note: The sequence data
XX CC for this patent did not form part of the printed specification, but was
XX CC obtained in electronic format directly from USPTO at
XX CC seqdata.uspto.gov/sequence.html?docID=20030073623
XX SQ Sequence 478 BP; 139 A; 129 C; 128 G; 66 T; 0 U; 16 Other;

Query Match 100.0%; Score 22; DB 9; Length 478;
Best Local Similarity 100.0%; Pred. No. 0.76;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
DB 101 CTGCACAGGAGGTTGGAATAC 80

RESULT 9
ACL62195/c
ID ACL62195 standard; cDNA; 523 BP.
XX AC ACL62195;
XX AC 24-MAR-2005 (first entry)
DT 24-MAR-2005 (first entry)
DE Human colon cancer differentially expressed polynucleotide, SEQ ID:8330.
XX KW Differential expression; diagnosis; therapy; drug screening; cancer;
XX KW neoplasm; colon tumor; breast tumor; pancreas tumor; cytostatic; vaccine;
XX KW ss.
XX OS Homo sapiens.
XX PN WO2005000087-A2.
XX PD 06-JAN-2005.
XX PF 13-MAY-2004; 2004WO-US015421.
XX PR 03-JUN-2003; 2003US-0475872P.
XX PA (CHIR ) CHIRON CORP.
```

XX Randazzo F, Moler E, Escobedo J, Garcia PD;
PI WPI; 2005-075421/08.
DR
XX
XX New isolated polynucleotides, which are differentially expressed in colon
PT cancer cell, useful for treating cancer, e.g. colon cancer, breast
PT cancer, or pancreatic cancer.
XX
XX Claim 1; SEQ ID NO 8330; 97pp; English.
XX
XX The invention relates to 9672 polynucleotides (ACLS3866-ACLS3537) which
CC are differentially expressed in colon cancer cells. The invention also
CC relates to vectors and host cells comprising a differentially expressed
CC polynucleotide of the invention; a method for detecting a cancerous cell
CC by detection of a gene product of the polynucleotides; a method for
CC inhibiting a cancerous phenotype of a cell by inhibiting a gene product
CC of the polynucleotides; a method of treating an individual with cancer by
CC administration of a modulator of a gene product of the polynucleotides;
CC and an isolated antibody that specifically binds to a polypeptide encoded
CC by one of the 9672 polynucleotides. The polynucleotides, polypeptides,
CC antibodies, and methods are useful for the detection of cancerous cells;
CC for the diagnosis, prognosis and management of cancer; for the
CC identification of agents that modulate the phenotype of cancerous cells;
CC for the identification of therapeutic targets for cancer chemotherapy;
CC and for the treatment of cancer, especially colon cancer and metastasized
CC colon cancer, but also breast or pancreatic cancer. The polynucleotides
CC are also useful as a source of probes or primers for use in diagnostic
CC methods. The differentially expressed polynucleotides or their encoded
CC proteins can additionally be used as vaccines to modulate primary immune
CC responses for the prevention or treatment of cancer. The present sequence
CC represents a specifically claimed polynucleotide which is differentially
CC expressed in colon cancer. Note: the sequence data for this patent did
CC not form part of the printed specification, but was obtained in
CC electronic format directly from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
XX
XX Sequence 523 BP; 158 A; 112 C; 153 G; 100 T; 0 U; 0 Other;
SQ
Query Match 100.0%; Score 22; DB 14; Length 523;
Best Local Similarity 100.0%; Pred. No. 0.77;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTGCACAGGAGGTTGGATAC 22
DB 487 CTGCACAGGAGGTTGGATAC 466
RESULT 10
ADU12962/c
ID ADU12962 standard; DNA; 545 BP.
XX
XX ADU12962;
XX
XX 27-JAN-2005 (first entry)
DT
XX
DE Solid tumour prognosis gene seqid 3401.
XX
XX cytostatic; gene therapy; expression profile; solid tumour;
KW peripheral blood mononuclear cell; PBMC; prognosis; ds.
XX
XX Unidentified.
OS
XX WO2004097052-A2.
XX
XX 11-NOV-2004.
PD
XX
XX 29-APR-2004; 2004WO-US013587.
XX
XX 29-APR-2003; 2003US-0466067P.
PR
XX 23-JAN-2004; 2004US-0538246P.
XX
XX (AMHP) WYETH.
PA

(STRA/) STRAHS A.
XX Strahs A, Trepicchio WL, Burczynski ME, Twine NC, Slonim DK;
PI Immerman F, Dorner AJ;
XX
XX WPI; 2004-804779/79.
DR
XX A method, useful for prognosing and treating solid tumor, comprises
PT comparing an expression profile of a gene expressed in peripheral blood
PT mononuclear cells to a reference expression profile of a gene.
XX
XX Disclosure; Page; 111pp; English.
PS
XX The invention describes a method comprising comparing an expression
CC profile of at least one gene in a peripheral blood sample of a patient to
CC at least one reference expression profile of the at least one gene, where
CC the patient has a solid tumour, and each of the gene is differentially
CC expressed in peripheral blood mononuclear cells (PBMCs) of a first class
CC of patients as compared to PBMCs of a second class of patients, where
CC both the first and second classes of patients have the solid tumour, and
CC each of the first and second classes is a subcluster formed by an
CC unsupervised clustering analysis of gene expression profiles in PBMCs of
CC a population of patients who have the solid tumour, and where the
CC majority of the first class of patients has a first clinical outcome, and
CC the majority of the second class of patients has a second clinical
CC outcome. Also described are: a system comprising (i) a memory or a
CC storage medium including data that represent an expression profile of at
CC least one gene in a peripheral blood sample of a patient who has a solid
CC tumour, (ii) at least another storage medium including data that
CC represent at least one reference expression profile of the gene, (iii) a
CC program capable of comparing the expression profile to the reference
CC expression profile, and (iv) a processor capable of executing the
CC program, where expression levels of the gene in peripheral blood
CC mononuclear cells of patients who have the solid tumour correlate with
CC clinical outcomes of the patients; and a nucleic acid or protein array
CC comprising concentrated probes for solid tumour prognosis genes, where
CC each of the solid tumour prognosis genes is differentially expressed in
CC PBMCs of a first class of patients as compared to PBMCs of a second class
CC of patients, where both the first and second classes of patients have a
CC solid tumour, and where the first class of patients has a first clinical
CC outcome, and the second class of patients has a second clinical outcome.
CC The method, system, and array are useful for prognosing and treating
CC solid tumours. This sequence represents a solid tumour prognosis gene of
CC the invention. Note: The sequence data for this patent did not form part
CC of the printed specification, but was obtained in electronic format
CC directly from WIPO at ftp.wipo.int/pub/published_pct_sequences.
XX
XX
XX Sequence 545 BP; 167 A; 120 C; 134 G; 90 T; 0 U; 34 Other;
SQ
Query Match 100.0%; Score 22; DB 13; Length 545;
Best Local Similarity 100.0%; Pred. No. 0.77;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTGCACAGGAGGTTGGATAC 22
DB 36 CTGCACAGGAGGTTGGATAC 15
RESULT 11
ACN38892/c
ID ACN38892 standard; cDNA; 557 BP.
XX
XX ACN38892;
AC
XX
XX 18-NOV-2004 (first entry)
DT
XX
XX Tumour-associated antigenic target (TAT) cDNA DNA325180, SEQ ID NO:3688.
DE
XX Tumour-associated antigenic target; TAT; human; overexpression; cancer;
KW tumour; diagnosis; cell proliferative disorder; breast cancer;
KW colorectal cancer; lung cancer; ovarian cancer; liver cancer;
KW central nervous system cancer; bladder cancer; pancreatic cancer;
KW cervical cancer; melanoma; leukaemia; hybridisation probe;
KW

KW chromosome identification; chromosome mapping; gene mapping;
KW gene therapy; cytostatic; gene; ss.

OS Homo sapiens.

PN WO2004030615-A2.

PD 15-APR-2004.

PF 29-SEP-2003; 2003WO-US028547.

PR 02-OCT-2002; 2002US-0414971P.

PA (GETH) GENENTECH INC.

PI Wu TD, Zhang Z, Zhou Y;

DR WPI; 2004-347921/32.

XX New tumor-associated antigenic target polypeptides and nucleic acids,
PT useful in preparing a medicament for treating or detecting a
PT proliferative disorder, e.g. breast, lung, colorectal, ovarian or
PT prostate cancer or tumor.

PS Claim 1; SEQ ID NO 2688; 7273pp; English.

XX The invention relates to human tumour-associated antigenic target (TAT)
CC polypeptides, and their related nucleic acids. The TAT polypeptides are
CC overexpressed in cancer tissues compared to normal tissues, and may thus
CC serve as effective targets for the diagnosis and treatment of cancer in
CC mammals. The invention also relates to nucleic acid and polypeptide
CC sequences at least 80% identical to the TAT nucleic acids and
CC polypeptides; expression vectors and host cells comprising a TAT nucleic
CC acid; an antibody specific for a TAT polypeptide; a peptide or organic
CC molecule which binds to a TAT polypeptide; fusion proteins comprising a
CC TAT polypeptide; and methods and compositions for the treatment or
CC diagnosis of cancer in mammals. TAT polypeptides, nucleic acids,
CC antibodies, antagonists, binding molecules and compositions are useful
CC for diagnosing or treating a cell proliferative disorder associated with
CC increased TAT expression, particularly cancers such as breast cancer,
CC colorectal cancer, lung cancer, ovarian cancer, liver cancer, bladder
CC cancer, pancreatic cancer, cervical cancer, cancers of the central
CC nervous system, melanoma and leukaemia. TAT nucleic acids may further be
CC used as hybridisation probes, in chromosome and gene mapping, in
CC chromosome identification and in gene therapy. The present sequence
CC represents a TAT nucleic acid of the invention

SQ Sequence 557 BP; 182 A; 133 C; 131 G; 111 T; 0 U; 0 Other;

Query Match 100.0%; Score 22; DB 13; Length 557;
Best Local Similarity 100.0%; Pred. No. 0.77;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGGTTGGAATAC 22
|||||
Db 51 CTGCACAGGAGGGTTGGAATAC 30

RESULT 12

ABQ57856/c
ID ABQ57856 standard; cDNA; 560 BP.

AC ABQ57856;

XX 02-AUG-2002 (first entry)

DE Human colon cancer related nucleotide sequence SEQ ID NO:1551.

XX Human; colon cancer; cancer; tissue profiling; forensic; mapping;
KW genetic analysis; diagnostic; antisense therapy; gene; ss.

OS Homo sapiens.

XX

PN WO200229086-A2.

PD 11-APR-2002.

PF 02-OCT-2001; 2001WO-US030732.

PR 02-OCT-2000; 2000US-0237271P.

PA (FARB) BAYER CORP.

XX Burgess C, Astle JH, Carroll E, Catino TJ, Dwivedi P, Molino GA;
PI Thiagalingam A, Lewis ME;

XX WPI; 2002-426115/45.

XX New isolated nucleic acid that is differentially expressed in cancer
PT tissues useful for determining the presence of colon cancer in a cell or
PT tissue type, and in antisense therapy.

PS Claim 1; Fig 1; 796pp; English.

XX ABQ56306 to ABQ60787 represent isolated nucleic acids (I) differentially
CC expressed in cancer tissues. ABQ78993 to ABQ79004 represent proteins
CC encoded by the ABQ60776 to ABQ60787 nucleic acid sequences. (I) can be
CC used in antisense therapy. An antibody immunoreactive with a polypeptide
CC for detecting the presence or absence of a polynucleotide encoded by a
CC nucleic acid which hybridises to (I) in a cell. A probe/primer derived
CC from (I) can be used for determining the presence of a nucleic acid which
CC hybridises to (I), and for determining the phenotype of cells in a sample
CC of cells from a patient. (I) is useful for determining the presence of
CC colon cancer in a cell or tissue type, for determining the presence or
CC state of other type of cancer, in antisense therapy, to generate
CC macroarrays on a solid surface, to identify a chromosome on which the
CC corresponding gene resides, and in tissue profiling, forensic genetic
CC analysis, mapping and diagnostic applications. (I) can be used to raise
CC antibodies, and to screen for peptide analogues and antagonists

SQ Sequence 560 BP; 166 A; 128 C; 164 G; 97 T; 0 U; 5 Other;

Query Match 100.0%; Score 22; DB 6; Length 560;

Best Local Similarity 100.0%; Pred. No. 0.78;

Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTGCACAGGAGGGTTGGAATAC 22

|||||

Db 348 CTGCACAGGAGGGTTGGAATAC 327

RESULT 13

ACH70978

ID ACH70978 standard; DNA; 595 BP.

XX ACH70978;

XX 29-JUL-2004 (first entry)

DE Human genome derived single exon probe #4173.

XX Human; probe; ss; gene expression; single exon probe; microarray;
KW alternative splicing event; genomic alteration.

OS Homo sapiens.

XX US2003194704-A1.

XX 16-OCT-2003.

XX 03-APR-2002; 2002US-00029386.

XX 03-APR-2002; 2002US-00029386.

XX (PENN/) PENN S G.

PA (RANK/) RANK D R.
PA (HANK/) HANZEL D K.
XX
XX Penn SG, Rank DR, Hanzel DK;
XX
XX WPI; 2004-119264/12.
DR
XX
XX New human genome-derived single exon nucleic acid probes useful for human
PT gene expression analysis, for identifying or characterizing alternative
PT splicing events, for assessing genomic alterations or as tools for
PT surveying tissues.
XX
XX Claim 15; SEQ ID NO 4173; 80pp; English.
PS
XX
XX The invention relates to a nucleic acid probe for measuring human gene
CC expression, comprising any of the 27,400 fully defined nucleotide
CC sequences in the specification, or their complements or fragments, and
CC encoding at least 8 amino acids of any of the 688 amino acid sequences
CC fully defined in the specification. The probe is a single exon probe that
CC hybridises under high stringency conditions to a nucleic acid molecule
CC expressed in human cells or tissues. Also included are a spatially-
CC addressable set of single exon nucleic acid probes for measuring human
CC gene expression (comprising a plurality of single exon nucleic acid
CC probes cited above, where each of the plurality of probes is separately
CC and addressably isolatable or amplifiable from the plurality), a single
CC exon microarray for measuring human gene expression, a method of
CC measuring human gene expression, a vector comprising the single exon
CC probe cited above, an ORF-encoded peptide comprising at least 8
CC contiguous amino acids of any of the above-mentioned amino acid
CC sequences (optionally with conservative amino acid substitutions), an
CC isolated antibody that binds specifically to a peptide cited above,
CC methods of selling and/or licensing single exon probes or microarrays to
CC a customer desiring to measure gene expression, a method of providing
CC human gene expression data by subscription, and a computer-readable
CC storage medium which contains a database having a plurality of records
CC (each record including data on the expression of a single exon probe
CC cited above. The probe, methods and apparatus are useful in gene
CC expression analysis. The probes may be used as tools for surveying
CC tissues to detect the presence of expressed messages that contain their
CC specific exon, or in constructing genome-derived single exon microarrays.
CC In addition, the probes are used in identifying and characterising
CC alternative splicing events, in detecting and characterising gross
CC alterations in the genomic locus that includes their exon, in assessing
CC smaller genomic alterations, in priming the synthesis of nucleic acids,
CC or in expressing the ORF-encoded peptide. The present sequence is a human
CC single exon probe of the invention. Note: The sequence data for this
CC patent did not form part of the printed specification, but was obtained
CC in electronic format directly from USPTO at
CC seqdata.uspto.gov/sequence.html?DocID=20030194704
XX
XX
SQ Sequence 595 BP; 157 A; 153 C; 121 G; 164 T; 0 U; 0 Other;

Query Match 100.0%; Score 22; DB 12; Length 595;
Best Local Similarity 100.0%; Pred. No. 0.78;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
DB 299 CTGCACAGGAGGTTGGAATAC 320

RESULT 14
ACN39715/C
ID ACN39715 standard; cDNA; 781 BP.
XX
XX ACN39715;
AC
XX
DT 18-NOV-2004 (first entry)
XX
DE Tumour-associated antigenic target (TAT) cDNA DNA325908, SEQ ID NO:4034.
XX
XX Tumour-associated antigenic target; TAT; human; overexpression; cancer;
KW tumour; diagnosis; cell proliferative disorder; breast cancer;
KW

KW colorectal cancer; lung cancer; ovarian cancer; liver cancer;
KW central nervous system cancer; bladder cancer; pancreatic cancer;
KW cervical cancer; melanoma; leukaemia; hybridisation probe;
KW chromosome identification; chromosome mapping; gene mapping;
KW gene therapy; cytostatic; gene; ss.
XX
OS Homo sapiens.
XX
XX WO2004030615-A2.
PN
XX
PD 15-APR-2004.
XX
XX 29-SEP-2003; 2003WO-US028547.
PF
XX
XX 02-OCT-2002; 2002US-0414971P.
PR
XX (GETH) GENENTECH INC.
PA
XX
XX Wu JD, Zhang Z, Zhou Y;
PI
XX WPI; 2004-347921/32.
DR
XX New tumor-associated antigenic target polypeptides and nucleic acids,
PT useful in preparing a medicament for treating or detecting a
PT proliferative disorder, e.g. breast, lung, colorectal, ovarian or
PT prostate cancer or tumor.
XX
PS Claim 1; SEQ ID NO 4034; 7273pp; English.
XX
XX The invention relates to human tumour-associated antigenic target (TAT)
CC polypeptides, and their related nucleic acids. The TAT polypeptides are
CC overexpressed in cancer tissues compared to normal tissues, and may thus
CC serve as effective targets for the diagnosis and treatment of cancer in
CC mammals. The invention also relates to nucleic acid and polypeptide
CC sequences at least 80% identical to the TAT nucleic acids and
CC polypeptides; expression vectors and host cells comprising a TAT nucleic
CC acid; an antibody specific for a TAT polypeptide; a peptide or organic
CC molecule which binds to a TAT polypeptide; fusion proteins comprising a
CC TAT polypeptide; and methods and compositions for the treatment or
CC diagnosis of cancer in mammals. TAT polypeptides, nucleic acids,
CC antibodies, antagonists, binding molecules and compositions are useful
CC for diagnosing or treating a cell proliferative disorder associated with
CC increased TAT expression, particularly cancers such as breast cancer,
CC colorectal cancer, lung cancer, ovarian cancer, liver cancer, bladder
CC cancer, pancreatic cancer, cervical cancer, cancers of the central
CC nervous system, melanoma and leukaemia. TAT nucleic acids may further be
CC used as hybridisation probes, in chromosome and gene mapping, in
CC chromosome identification and in gene therapy. The present sequence
CC represents a TAT nucleic acid of the invention
XX
SQ Sequence 781 BP; 218 A; 208 C; 233 G; 122 T; 0 U; 0 Other;

Query Match 100.0%; Score 22; DB 13; Length 781;
Best Local Similarity 100.0%; Pred. No. 0.81;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCACAGGAGGTTGGAATAC 22
DB 663 CTGCACAGGAGGTTGGAATAC 642

RESULT 15
AAS62159
ID AAS62159 standard; cDNA; 822 BP.
XX
XX ACN39715;
AC
XX
DT 29-JAN-2002 (first entry)
XX
DE Porcine muscular steatosis-modulating factor #285.
XX
XX Pig; muscular steatosis-modulating factor; ss; metabolic; muscular; MSMP;
KW food supplement; obesity; hyperlipidaemia; atherosclerosis;
KW

KW wound healing; tumour; amyotrophic lateral sclerosis; ALS.
XX
OS Sus scrofa.
XX
XX WO200179287-A2.
PN
XX
XX
PD 25-OCT-2001.
XX
PF 12-APR-2001; 2001WO-CA000509.
XX
PR 17-APR-2000; 2000US-0197936P.
XX
XX (MIAC) CANADA AGRIC & AGRI-FOOD CANADA.
PA
XX Palin M, Pomar C, Gariepy C;
PI
XX
XX WPI; 2002-017600/02.
DR
XX
XX
PT Prognosis and diagnosis of muscular steatosis, useful e.g. for selecting
PT animals for breeding, by measuring levels of specific markers, also
PT treating or inducing steatosis.
XX
XX
PS Claim 5; Page 182; 190pp; English.
XX
CC The invention relates to prognosis or diagnosis of muscular steatosis by
CC measuring the level of a muscular steatosis modulating factor (MSMF) in a
CC human or animal and comparing this with the level in a healthy control.
CC Any difference indicates presence of, or predisposition to, muscular
CC steatosis. The method is particularly used for diagnosis or prognosis of
CC muscular steatosis in mammals and birds, e.g. to select individuals as
CC founders in animal breeding. Also (ant)agonists of MSMF can be used to
CC treat, or induce (for increasing the fat content of food) muscular
CC steatosis, in humans and animals. The MSMF markers are also useful in the
CC study of diseases and conditions such as obesity, hyperlipidaemia,
CC atherosclerosis, wound healing, tumours and amyotrophic lateral sclerosis
CC (ALS). The present sequence is a MSMF of the invention
XX
SQ Sequence 822 BP; 155 A; 224 C; 177 G; 212 T; 0 U; 54 Other;
Query Match 100.0%; Score 22; DB 6; Length 822;
Best Local Similarity 100.0%; Pred. No. 0.81;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Oy 1 CTGCACAGGAGGGTTGGAATAC 22
Db 71 CTGCACAGGAGGGTTGGAATAC 92

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Job time : 309 secs

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